



Parts Manual

Our energy working for you.™



Generator Set with Detector™ /2-Wire Remote Control GGDB (Spec A–E)

MODEL IDENTIFICATION

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Cummins Power Generation nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Cummins Power Generation manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



This symbol warns of immediate hazards which will result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS



Service and repair of Cummins Power Generation equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.



Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.



Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!



Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This parts catalog applies to the Cummins Power Generation standard generator model GGDB as listed in the Generator Set Data Table. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding with the same reference number in the parts list. Parts illustrations are typical. Throughout this catalog left and right sides are determined by facing the engine end (front) of the set.

Engine parts that have been modified or added by Cummins Power Generation are identified in this catalog. All other engine replacement parts must be ordered from the engine manufacturer by referring to the engine manufacturers nameplate and supplying all available information. Contact your nearest engine parts distributor for assistance in ordering replacement parts.

Replacement Engine

Cummins Power Generation Generator Model	Ford Engine Model
GGDB	LRG425I-6005-A

Replacement engines cannot be ordered from Cummins Power Generation. Order from your nearest Ford Distributor.

Generator Set Data Table

Model/ Specification	Electrical Data					Battery Voltage
	Watts	Volts	Hertz	Wire	Phase	
16.0GGDB*	16,000	#	50	4,6,12	1 or 3	12 VDC
20.0GGDB*	20,000	#	60	4,6,12	1 or 3	12 VDC

* The specification number denotes customer requested options or deviations from the Standard model. The specification letter advances with major manufacturing changes.

Broad Range Reconnectible.

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Abbreviations

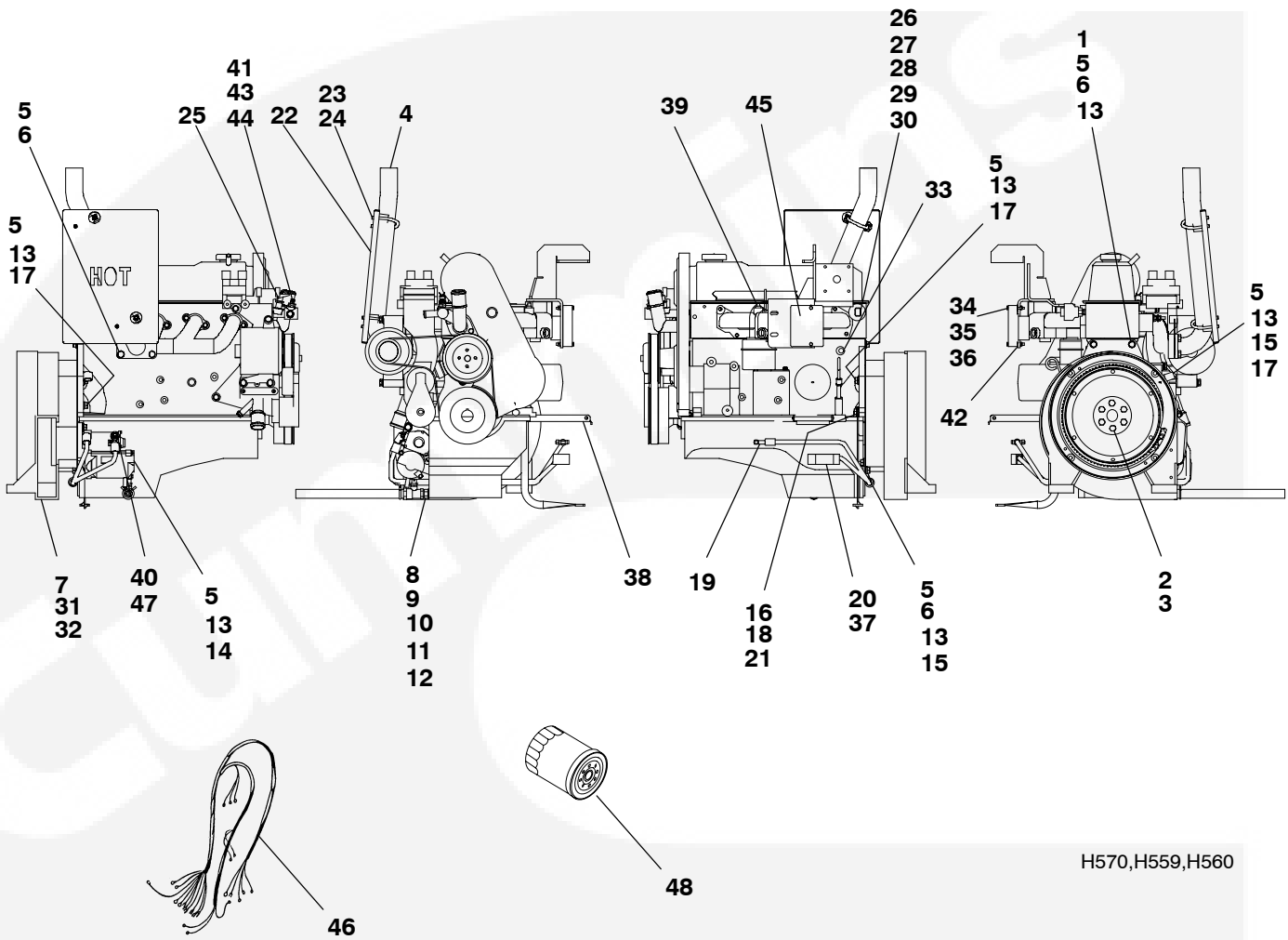
Some of the following abbreviations may be used throughout this Parts Catalog:

AC	Alternating Current	mm	Millimeter
Amp	Ampere	MOH	Mobile Off Highway
A/R	As Required	NFS	Not For Sale
AVR	Automatic Voltage Regulator	NPT	National Pipe Thread
AWG	American Wire Gauge	OD	Outside Diameter
Deg	Degree	oz.	Ounce
DC	Direct Current	PMG	Permanent Magnet Generator
EFC	Electronic Fuel Control	Ph	Phase
ET	External Tooth	PC	Printed Circuit
EIT	External/Internal Tooth	RFI	Radio Frequency Interference
GFI	Ground Fault Interrupter	RT	Right
ID	Inside Diameter	Spec	Specification
IT	Internal Tooth	Thk	Thick
IEC	International Electrotechnical Commission	UL	Underwriters Laboratories Inc.
kW	Kilowatt	UNC	Union National Coarse
LPG	Liquid Petroleum Gas	UNF	Union National Fine
LT	Left	VAC	Volts Alternating Current
M(meter Number)	Meter	VDC	Volts Direct Current
		W/(ET, IT, EIT)	With

Paint and Thread Sealant

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Onan Green Enamel (Non-Metallic)	518-0601	-		Sealant, Thread (6 ml. Tube)
	525-0305	-	12 oz. Pressurized Spray Can				
	525-0306	-	Quart Can				
	525-0304	-	Gallon Can				

External Engine Parts

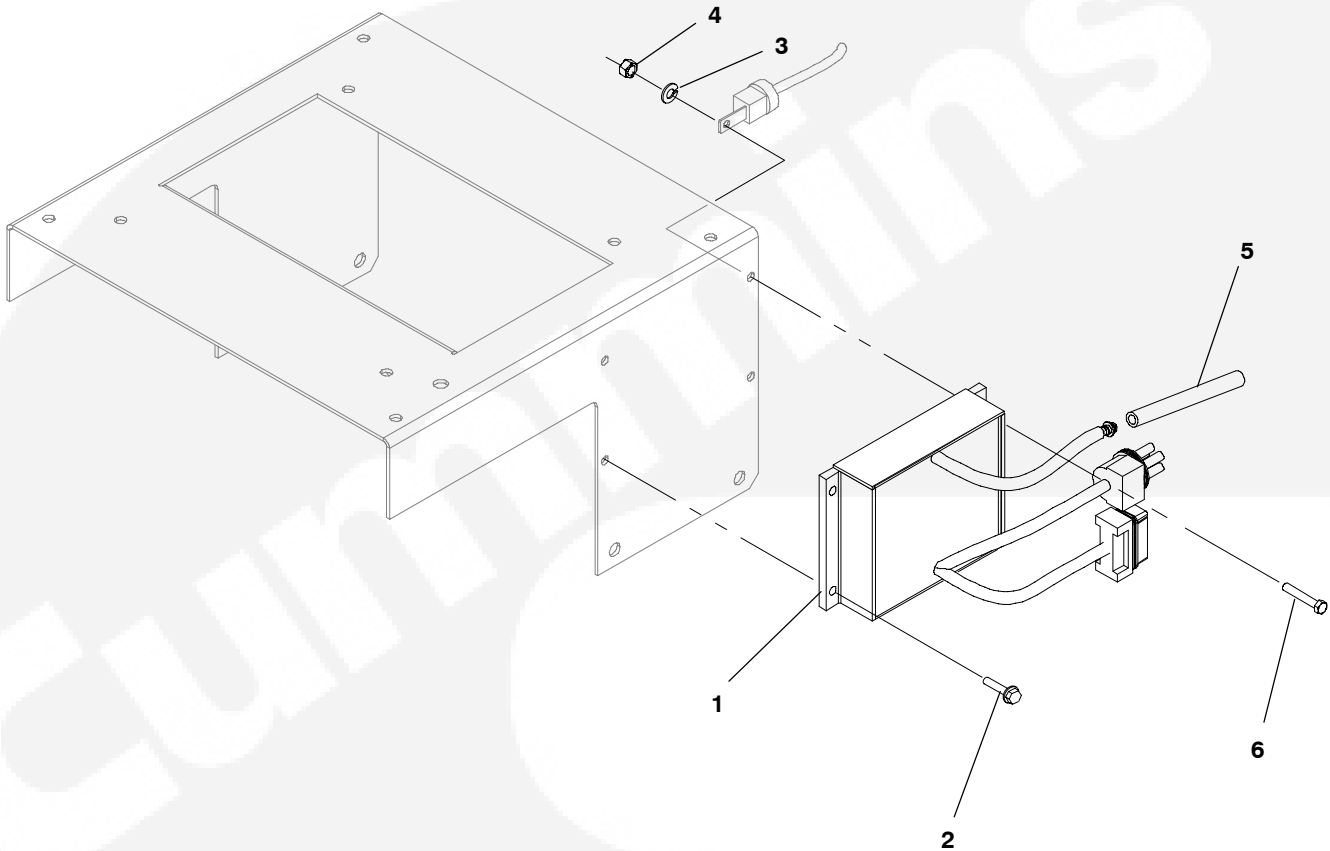


H570, H559, H560

External Engine Parts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	101-0823	1	Plate, Engine Rear	28	323-1549	1	+ Connector, Receptacle – 4 Place
2	104-1951	1	Flywheel (Includes Ring Gear)	29	323-1548	1	+ Wedge, Receptacle
3	104-1944	1	Gear, Ring	30	323-1492	4	+ Socket, Contact
4	155-2984	1	Tube, Exhaust	31	234-0665	1	Grille, Air Outlet
5	850-2010	14	Washer, Lock – Spring	32	803-0032	2	Screw, Set – Socket Head (1/4-20 x 1/4) – Spec A-D
6	800-2086	9	Screw, Cap – Hex Head (M10 x 1.25 x 25mm)	33	505-0110	1	Plug, Pipe
7	231-0386	1	Adapter, Generator	34	800-2015	2	Screw, Cap – Hex Head (M5 x .8 x 45mm) – Spec A-D
8	102-1054-01	1	Adapter, Oil Drain	35	850-2005	2	Washer, Lock – Spring (M5) – Spec A-D
9	504-0011	1	Valve, Shut Off (1/2" x 1/2")	36	860-2006	2	Nut, Hex (M5 x .8) – Spec A-D
10	505-0827	1	Barb, Hose (1/2 x 3/4 Hose)	37	416-1019	1	Boot, Battery – Red
11	503-0098	–	Hose (3/4" ID) – Bulk (Order by the Foot – 1 Foot Required)	38	416-1045	1	Bracket, Battery – Guard Fitting
12	503-0197	1	Clamp, Hose	39	505-0054	1	Plug, Square (1/4) – Spec A, B
13	526-2120	10	Washer, Flat (M10)			1	Fitting, Vacuum – Ford Part Number P&A E7TZ-9A474-C – Spec C-D
14	800-2088	2	Screw, Cap – Hex Head (M10 x 1.5 x 35mm)	40	870-2055	1	Nut, Hex Flange
15	332-2634	3	Clamp, "J"	41	505-0395	1	Bushing, Reducer (3/8 x 1/8) – Begin Spec B
16	856-0010	2	Washer, Lock – ET (M10)	42	526-0179	2	Washer, Flat (#10) – Spec A-D
17	800-2089	2	Screw, Cap – Hex Head (M10 x 1.5 x 40mm)	43	504-0198	1	Vent, Air – Begin Spec B
18	800-2093	2	Screw, Cap – Hex Head (M10 x 1.5 x 60mm)	44	504-0028	1	Cock, Drain – Spec A
19	416-1046	1	Cable, Battery (Negative)	45	166-0845	1	Module, Ignition – Spec A, B (Spec C Ignition Module shown on page 10 – Begin Spec D Ignition Module shown on page 9)
20	416-0549	1	Cable, Battery (Positive)	46			Harness, Wiring – Ignition
21	337-0090	1	Strap, Electrical		166-0844	1	Spec A, B
22	155-3242	1	Shield, Exhaust		166-0868	1	Spec C
23	232-3441	4	Washer, End – Bell		338-4288	1	Begin Spec D
24	155-2715	2	Clamp, Muffler (1.75 OD Tube)	47	416-1084	1	Boot, Starter – Red – Begin Spec E
25			Fitting, Water Temperature	48	LF3501	1	Filter, Oil
	309-0662	1	Thermostat – Generator Sets With 2-Wire Control	+ Parts Included In 193-0448 Oil Pressure Sender			
	193-0477	1	Sender, Water Temperature – Generator Sets With Detector Control				
26	505-0007	1	Bushing, Reducer (1/4" to 1/8")				
27			Fitting, Oil Pressure				
	309-0641-19	1	Switch, Oil Pressure – Generator Sets With 2-Wire Control (S1)				
	193-0448	1	Sender, Oil Pressure – Generator Sets With Detector Control (Includes Parts Marked +) (E1)				

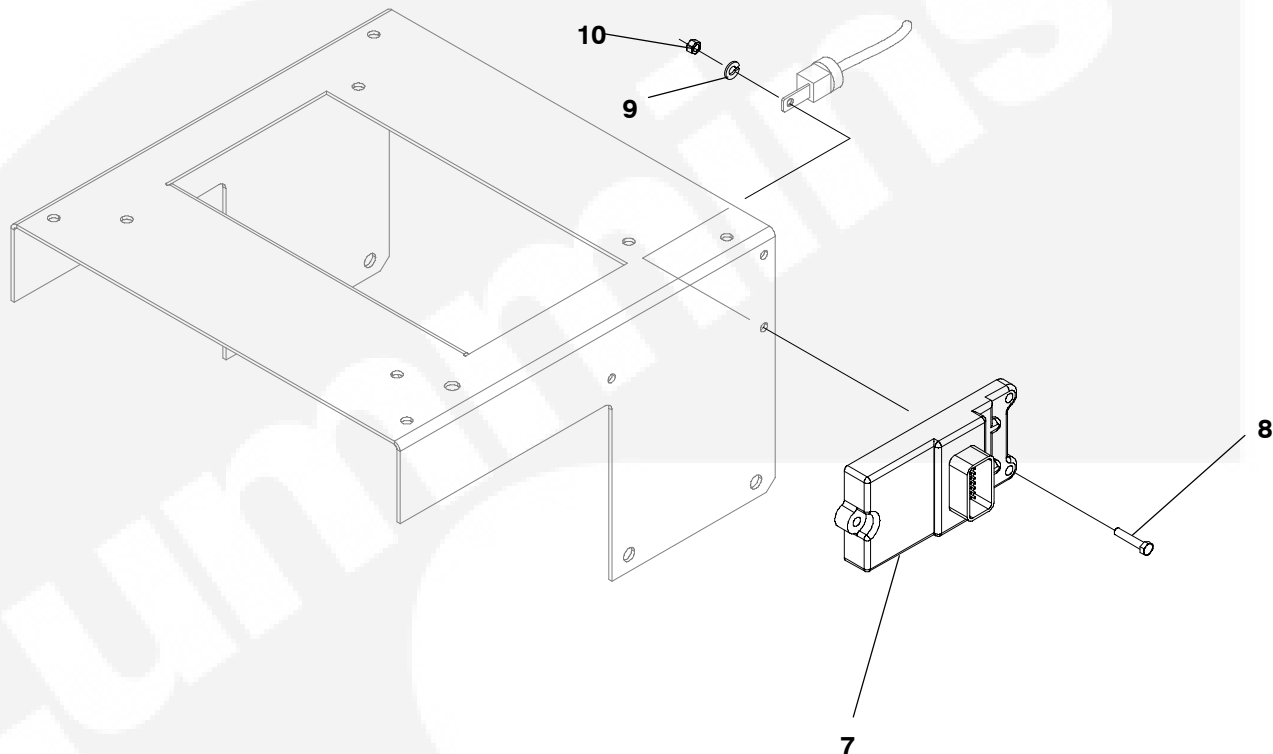
Ignition Module Spec C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	166-0867	1	Module, Ignition
2	815-0793-03	3	Screw, Hex Flange Head – Thread Forming (M5 x 0.8 x 12)
3	850-2005	1	Washer, Lock – Spring (M5)

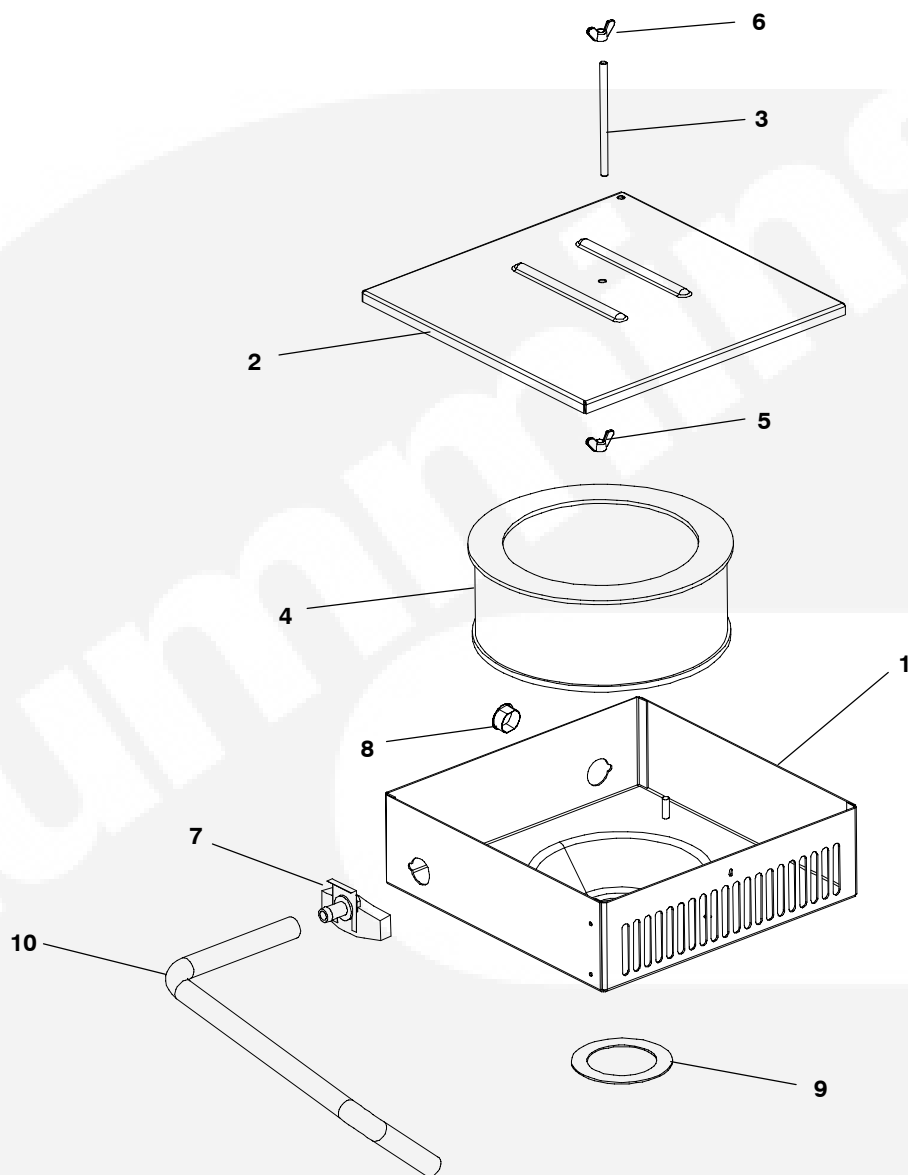
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	860-2006	1	Nut, Hex (M5 x 0.8)
5	503-2159	–	Hose, Vacuum
6	800-2010	1	Screw, Cap – Hex Head (M5 x 0.8 x 20)

Ignition Module Begin Spec D



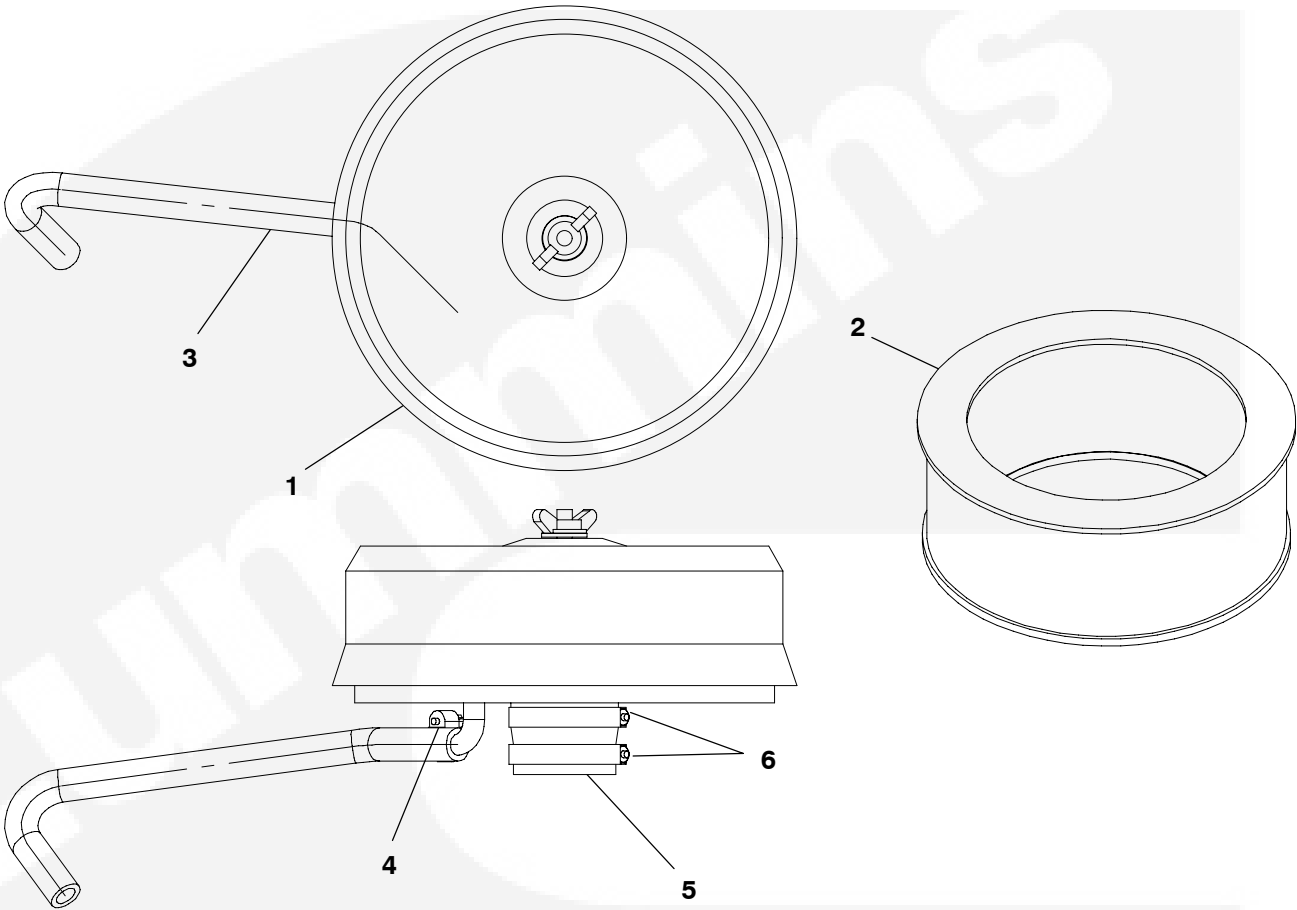
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	166-0884-01	1	Module, Ignition	9	850-2005	1	Washer, Lock – Spring (M5)
8	800-2011	3	Screw, Hex Flange Head – Thread Forming (M5 x 0.8 x 25)	10	860-2006	1	Nut, Hex (M5 x 0.8)

Air Cleaner Spec A, B



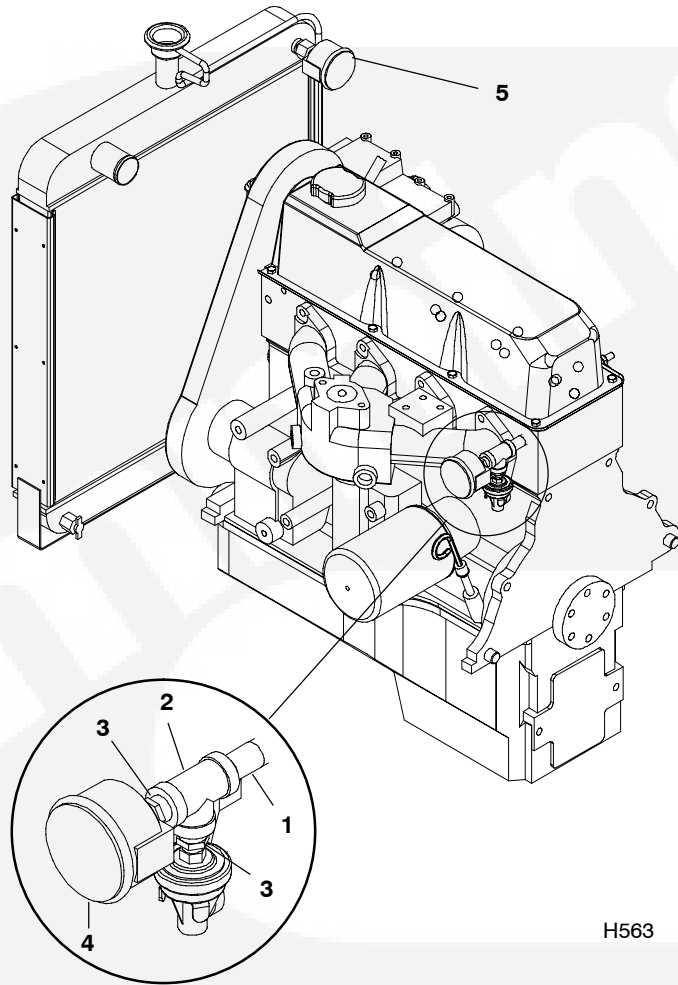
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3198-02	1	Housing, Air Cleaner	7	140-3146	1	Breather, Air Cleaner
2	140-3199-02	1	Cover, Air Cleaner	8	517-0289	1	Plug, Hole
3	520-1014	1	Stud (1/4-20 x 3.12)	9	140-3202	1	Gasket, Air Cleaner
4	140-3147	1	Filter, Air	10	503-1606	-	Hose, Breather - Bulk (Order By The Foot - 2 Feet Required)
5	865-0006	1	Nut, Wing (1/4-20)				
6	865-0020	1	Nut, Wing (1/4-20)				

Air Cleaner
Begin Spec C



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3387-01	1	Cleaner, Air	4	503-0446	1	Clamp, Hose
2	140-3147	1	Element, Air Cleaner	5	503-2247	1	Hose, Air - Reducing
3	503-1606	-	Hose, Air Cleaner - Bulk (Order By The Foot - 2 Feet Required)	6	503-1870-05	2	Clamp, Hose

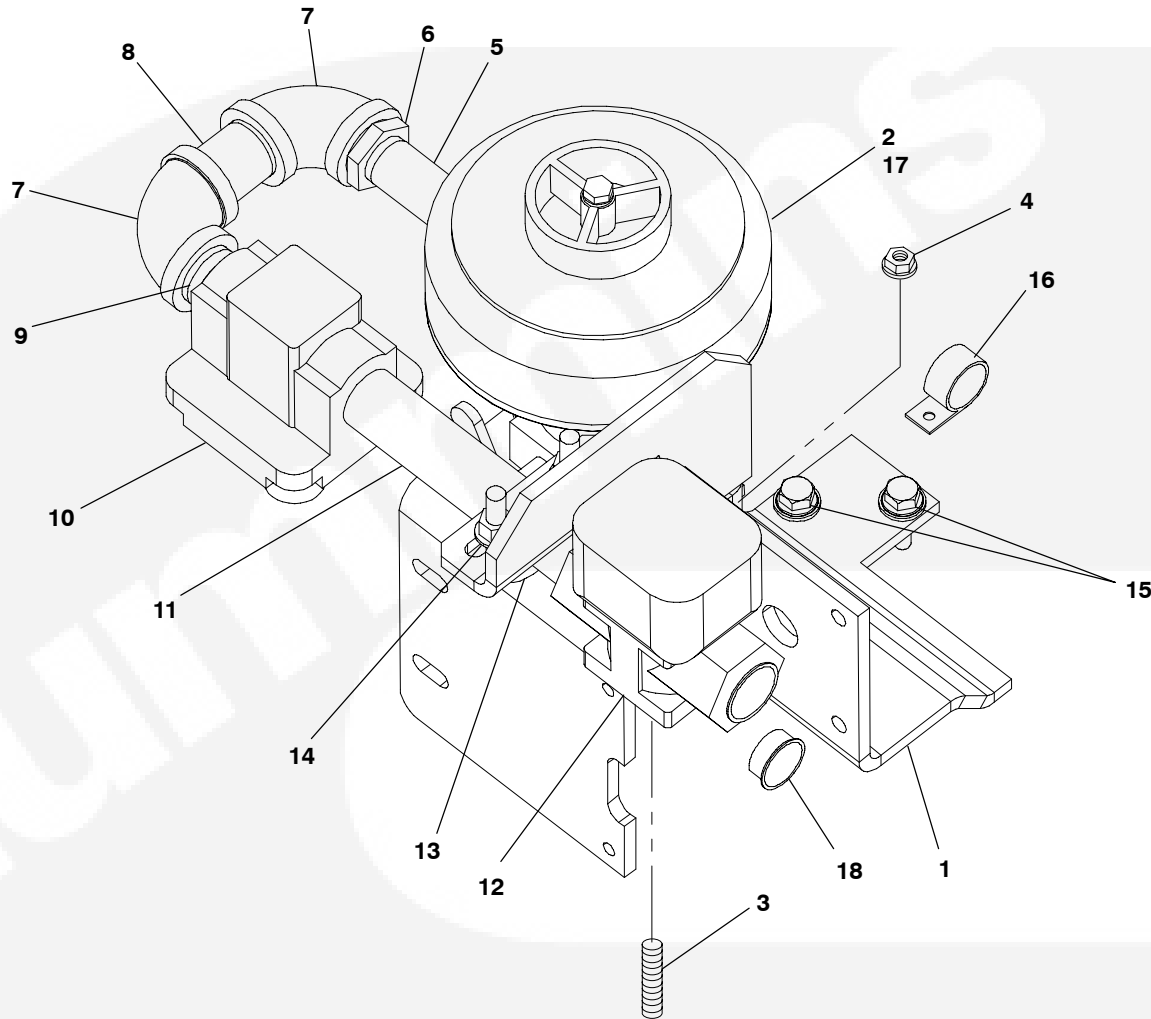
**Engine Gauges
Generator Sets With 2-Wire Control**



H563

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0071	1	Nipple, Pipe (1/4 X 2)	4	193-0451	1	Gauge, Oil Pressure
2	505-0184	1	Tee, Pipe	5	193-0463	1	Gauge, Water Temperature
3	505-0007	2	Bushing, Reducer (1/4 x 1/8)				

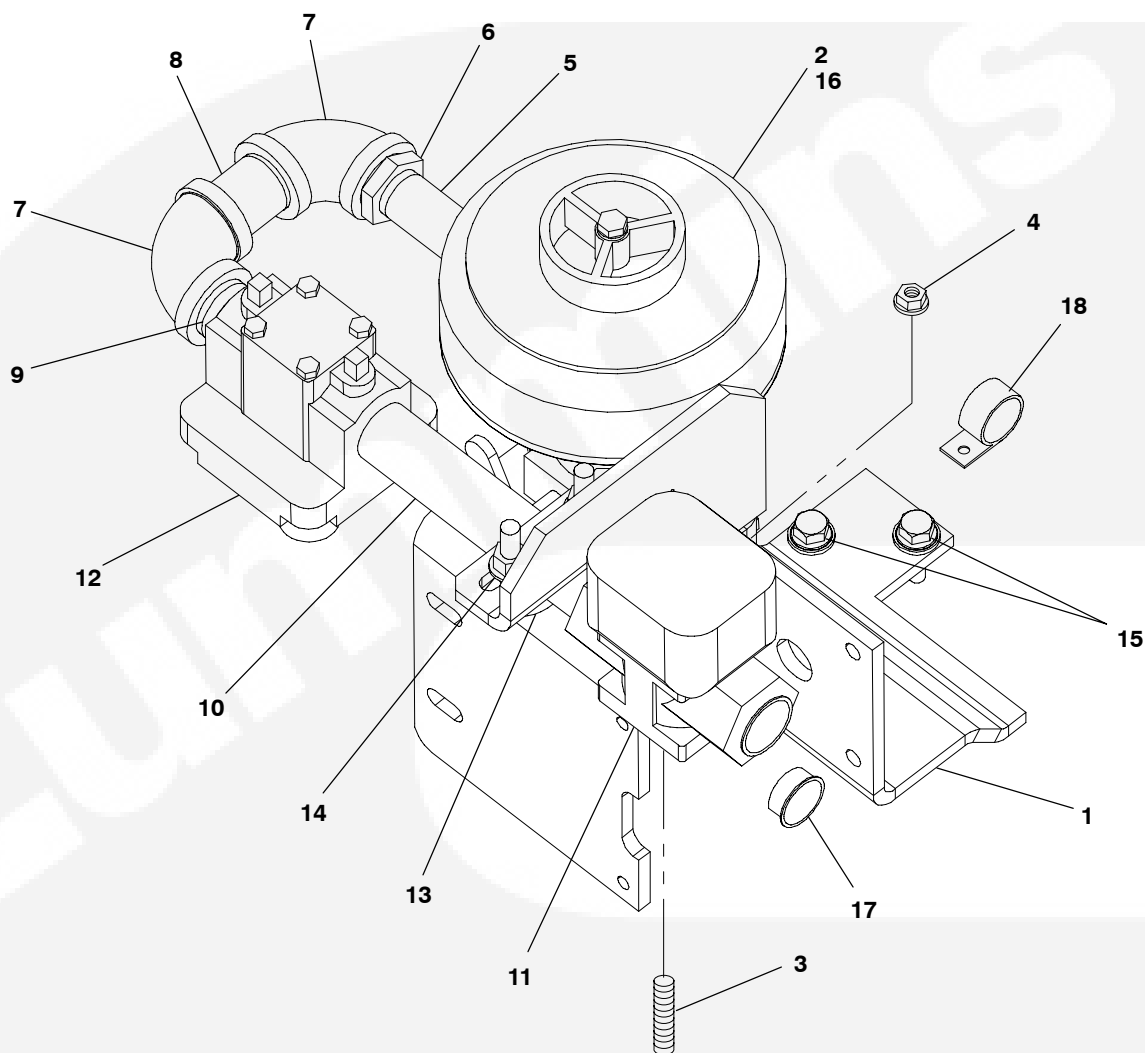
Fuel System Natural Gas



C002

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2811-02	1	Bracket, Mounting – Carburetor	10	148-0597	1	Regulator, Natural Gas
2	148-1104	1	Carburetor	11	505-0754	1	Nipple, Pipe (3/4 NPT x 6.0)
3	520-1028	2	Stud (M8 x 1.25 x 48)	12	307-0312-01	1	Valve, Solenoid
4	870-2055	2	Nut, Lock – Flange (M8 x 1.25)	13	155-1256	1	Clamp, Muffler
5	505-0002	1	Nipple, Pipe (1/2 NPT x 3.0)	14	526-2100	2	Washer, Flat (M8)
6	505-0021	1	Bushing, Reducer (3/4 NPT)	15	821-6003-03	2	Screw, Hex Head (M8 x 25)
7	505-0132	2	Elbow, Pipe (90°) (3/4)	16	332-2634	1	Clamp, J
8	505-0085	1	Nipple, Pipe (3/4 NPT x 2.0)	17	145-0724	2	Gasket, Carburetor
9	505-0102	1	Nipple, Close (3/4 x 1-1/4)	18	517-0094	1	Plug, Hole

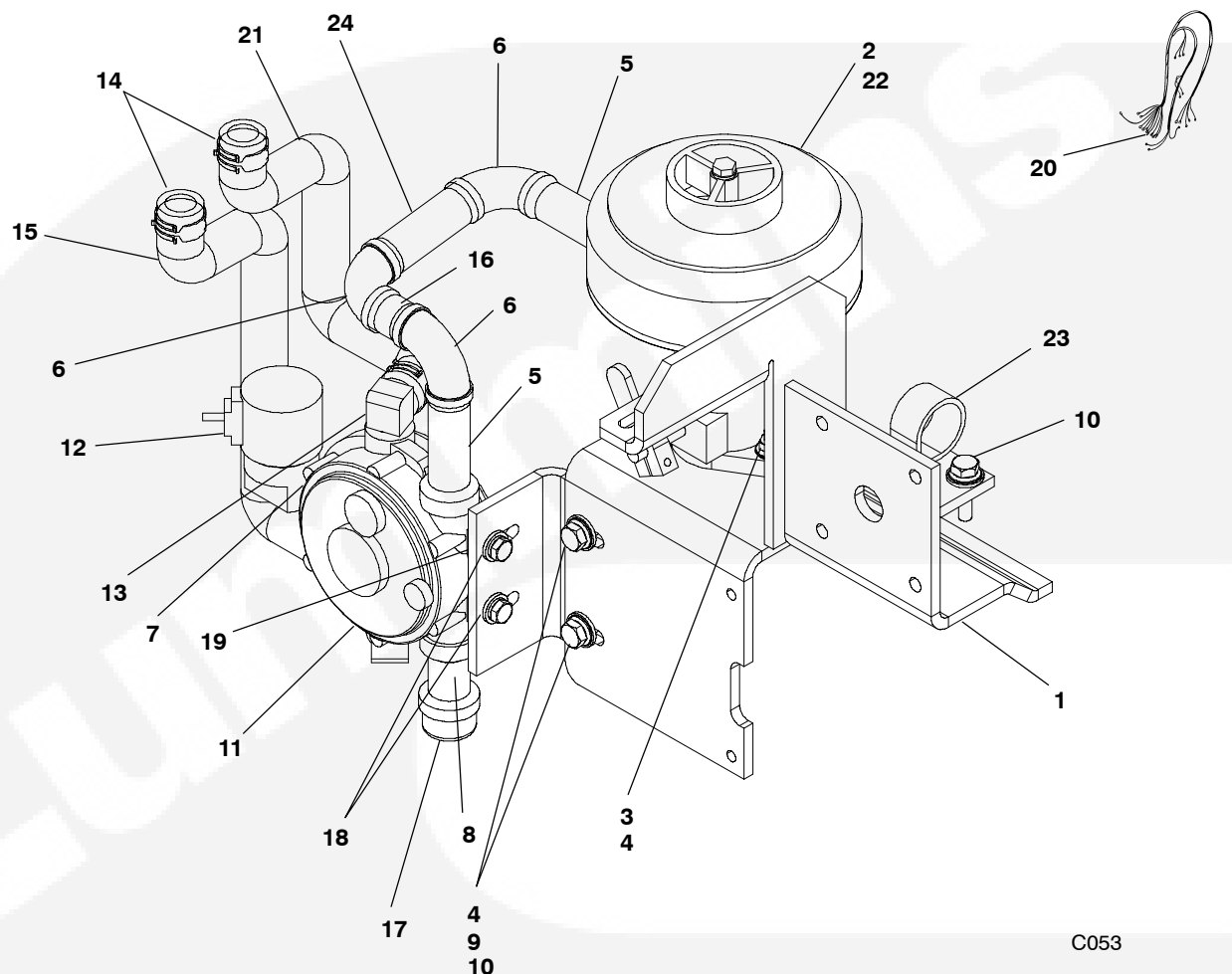
Fuel System Propane Vapor



C099

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2811-02	1	Bracket, Mounting – Carburetor	10	505-0754	1	Nipple, Pipe (3/4 NPT x 6.0)
2	148-1104	1	Carburetor	11	307-0312-01	1	Valve, Solenoid
3	520-1028	2	Stud (M8 x 1.25 x 48)	12	148-0637	1	Regulator, LPG Vapor
4	870-2055	2	Nut, Lock – Flange (M8 x 1.25)	13	155-1256	1	Clamp, Muffler
5	505-0002	1	Nipple, Pipe (1/2 NPT x 3.0)	14	526-2100	2	Washer, Flat (M8)
6	505-0021	1	Bushing, Reducer (3/4 NPT)	15	821-6003-03	2	Screw, Hex Head (M8 x 25)
7	505-0132	2	Elbow, Pipe (90°) (3/4)	16	145-0724	2	Gasket, Carburetor
8	505-0085	1	Nipple, Pipe (3/4 NPT x 2.0)	17	517-0094	1	Plug, Hole
9	505-0102	1	Nipple, Close (3/4 x 1-1/4)	18	332-2634	1	Clamp, J

Fuel System Propane Liquid



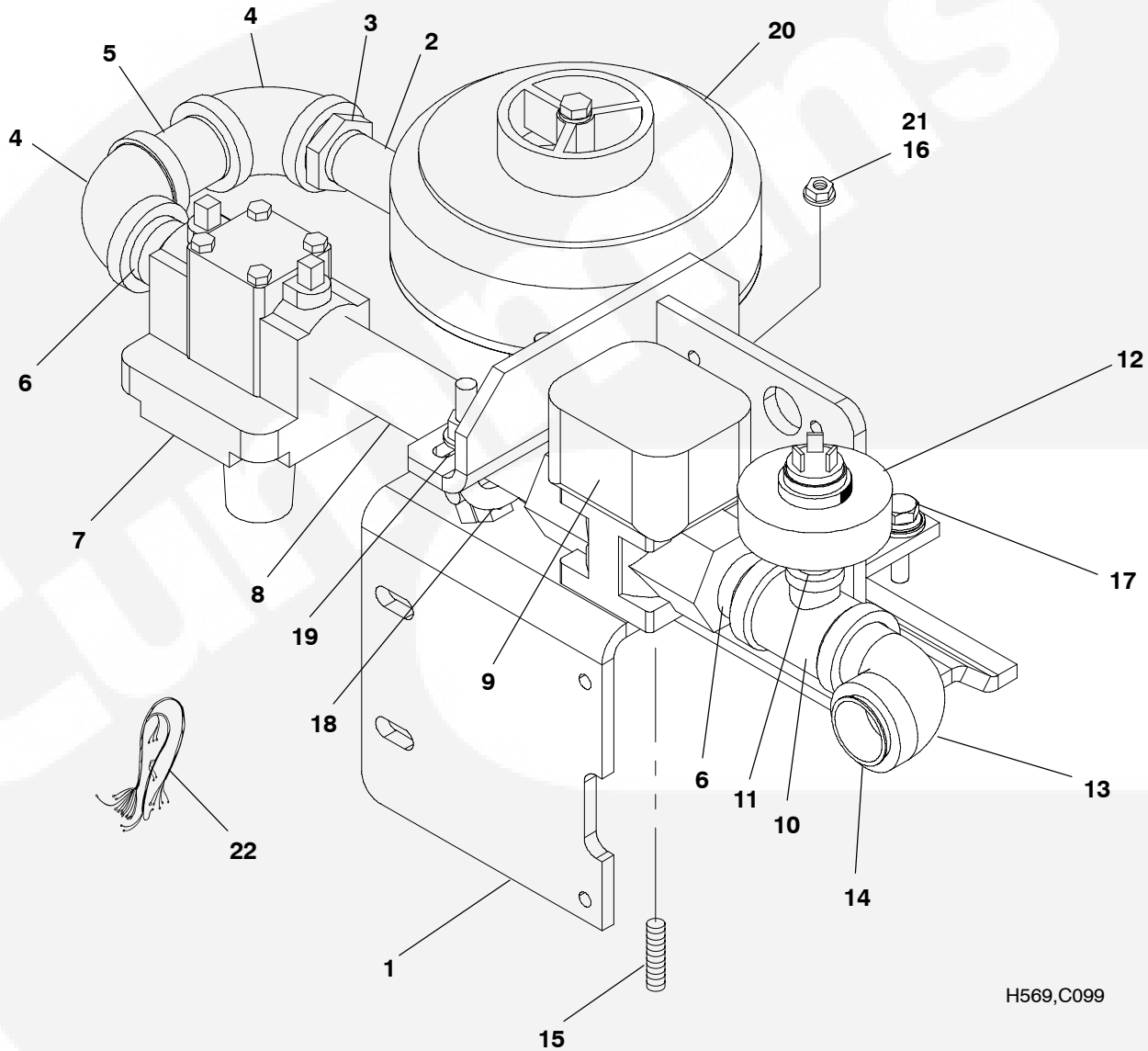
C053

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2811-02	1	Bracket, Mounting - Carburetor	14	503-0131	4	Clamp, Hose
2	148-1104	1	Carburetor	15	503-0386	-	Hose, Flex - Bulk (Order by the Foot - 4 Feet Required) (5/8")
3	520-1028	2	Stud (M8 x 1.25 x 48)	16	505-0106	1	Nipple, Short (1/2 x 1.5)
4	870-2055	4	Nut, Lock - Flange (M8 x 1.25)	17	505-0158	1	Cap, Pipe (1/2)
5	505-0002	2	Nipple, Pipe (1/4" x 3)	18	526-0399-13	2	Washer, Flat (1/4)
6	505-0040	3	Elbow, Pipe - 90° (1/2)	19	149-2622	1	Bracket, Support
7	505-0099	1	Nipple, Pipe (1/4 x .88)	20	338-3654	1	Harness, LPG
8	505-0210	1	Nipple, Pipe (1/2 x 2)	21	503-0386	-	Hose, Flex - Bulk (Order by the Foot - 4 Feet Required) (5/8")
9	526-2100	2	Washer, Flat (M8)	22	145-0724	2	Gasket, Carburetor
10	821-6003-03	4	Screw, Hex Head (M8 x 25)	23	332-2634	1	Clamp, J
11	148-0737	1	Regulator	24	505-0078	1	Nipple, Pipe (1/2 x 2-1/2)
12	307-0268-01	1	Valve, Solenoid				
13	502-0942	2	Connector, Hose (90°)				

This technical diagram illustrates the exploded view of a mechanical assembly, likely a pump or motor component. The parts are numbered 1 through 22. The main housing (1) features a large circular opening (2) and a smaller one (3). A central shaft (4) is shown with a pulley (5) and a coupling (6). A large circular cover (20) with a central bolt (21) is shown above the housing. A mounting bracket (8) is attached to the side of the housing, featuring a large rectangular cutout (9) and a smaller one (10). A cable (22) is shown connected to the bracket. A small component (11) is shown near the bracket. A large circular component (12) with a central bolt (13) is shown below the bracket. A small component (14) is shown near the bracket. A small component (15) is shown near the bracket. A small component (16) is shown near the bracket. A small component (17) is shown near the bracket. A small component (18) is shown near the bracket. A small component (19) is shown near the bracket. A small component (20) is shown near the bracket. A small component (21) is shown near the bracket. A small component (22) is shown near the bracket.

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2811-02	1	Bracket, Governor	13	505-0051	1	Elbow, Street - 90° (3/4)
2	505-0002	1	Nipple, Pipe (1/2 x 3.00)	14	517-0094	1	Plug, Hole
3	505-0021	1	Bushing, Reducer (3/4 x 1/2)	15	520-1028	2	Stud (M8 x 1.25)
4	505-0132	2	Elbow, Pipe	16	870-2055	2	Nut, Lock - Flanged
5	505-0085	1	Nipple, Pipe (3/4 x 2.00)	17	821-6003-03	2	Screw, Hex Head (M8 x 1.25 x 25)
6	505-0102	2	Nipple, Close (3/4)	18	155-1256	1	Clamp, Muffler (1.5")
7	148-0597	1	Regulator, Natural Gas	19	526-2100	2	Washer, Flat (M8)
8	505-0754	1	Nipple, Pipe (3/4 x 6.00)	20	148-1104	1	Carburetor
9	307-0312-01	1	Valve, Solenoid (12V)	21	145-0724	2	Gasket, Carburetor
10	505-1496	1	Tee, Reducing	22	338-3740	1	Harness, Fuel Alarm
11	505-0007	1	Bushing (1/4 x 1/8)				
12	309-0669	1	Switch, Pressure (12V)				

**Fuel System
Propane Vapor
With Low Fuel Pressure Warning Switch
Begin Spec B**

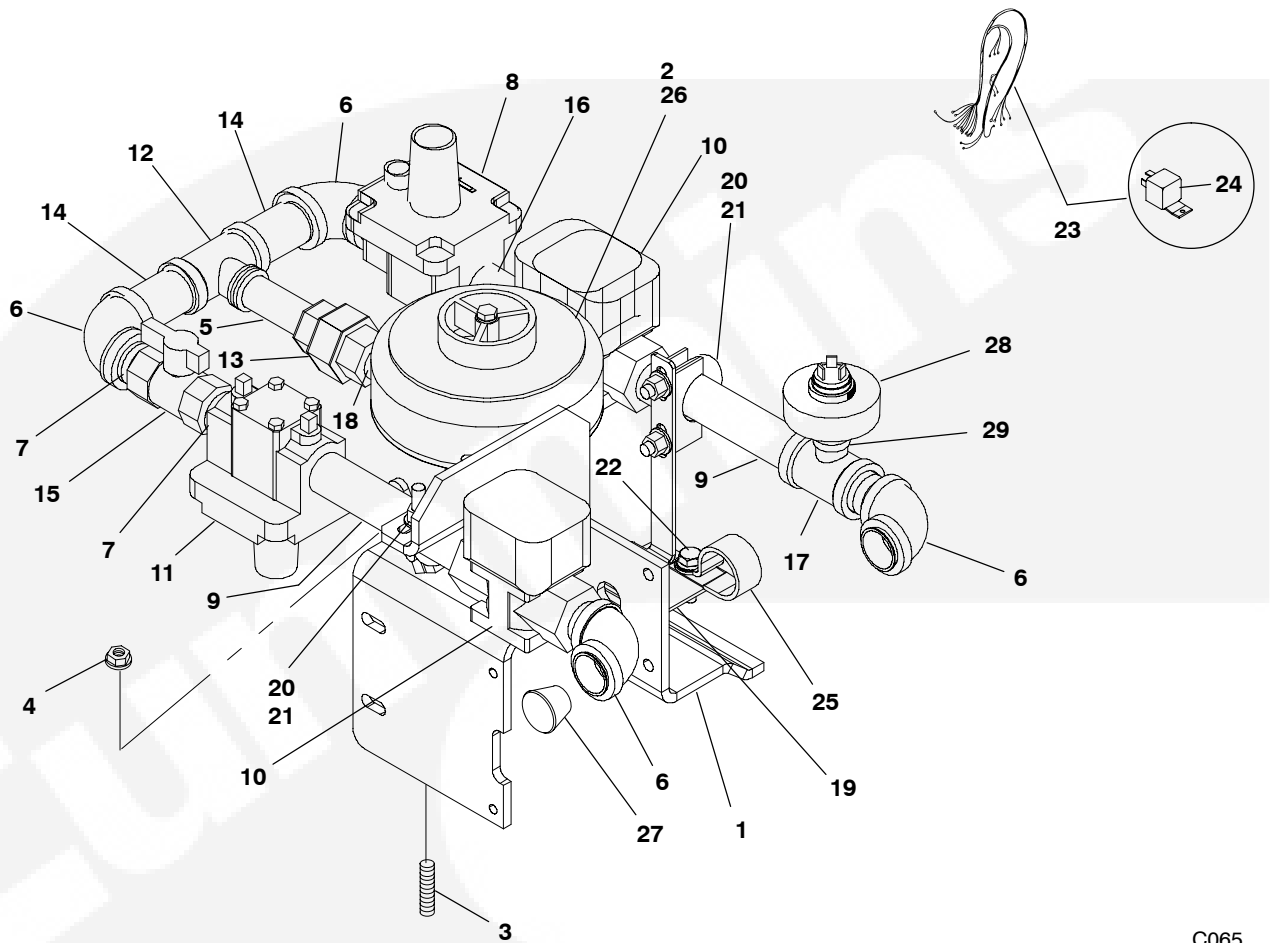


H569,C099

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2811-02	1	Bracket, Governor	13	505-0051	1	Elbow, Street - 90° (3/4)
2	505-0002	1	Nipple, Pipe (1/2 x 3.00)	14	505-0094	1	Plug, Hole
3	505-0021	1	Bushing, Reducer (3/4 x 1/2)	15	520-1028	2	Stud (M8 x 1.25)
4	505-0132	2	Elbow, Pipe	16	870-2055	2	Nut, Lock - Flanged
5	505-0085	1	Nipple, Pipe (3/4 x 2.00)	17	821-6003-03	2	Screw, Hex Head (M8 x 1.25 x 25)
6	505-0102	2	Nipple, Close (3/4)	18	155-1256	1	Clamp, Muffler (1.5")
7	148-0637	1	Regulator, LPG Vapor	19	526-2100	2	Washer, Flat (M8)
8	505-0754	1	Nipple, Pipe (3/4 x 6.00)	20	148-1104	1	Carburetor
9	307-0312-01	1	Valve, Solenoid (12V)	21	145-0724	2	Gasket, Carburetor
10	505-1496	1	Tee, Reducing	22	338-3740	1	Harness, Fuel Alarm
11	505-0007	1	Bushing (1/4 x 1/8)				
12	309-0669	1	Switch, Pressure (12V)				

Fuel System

Natural Gas / Propane Vapor With Low Pressure Switch and Automatic Changeover

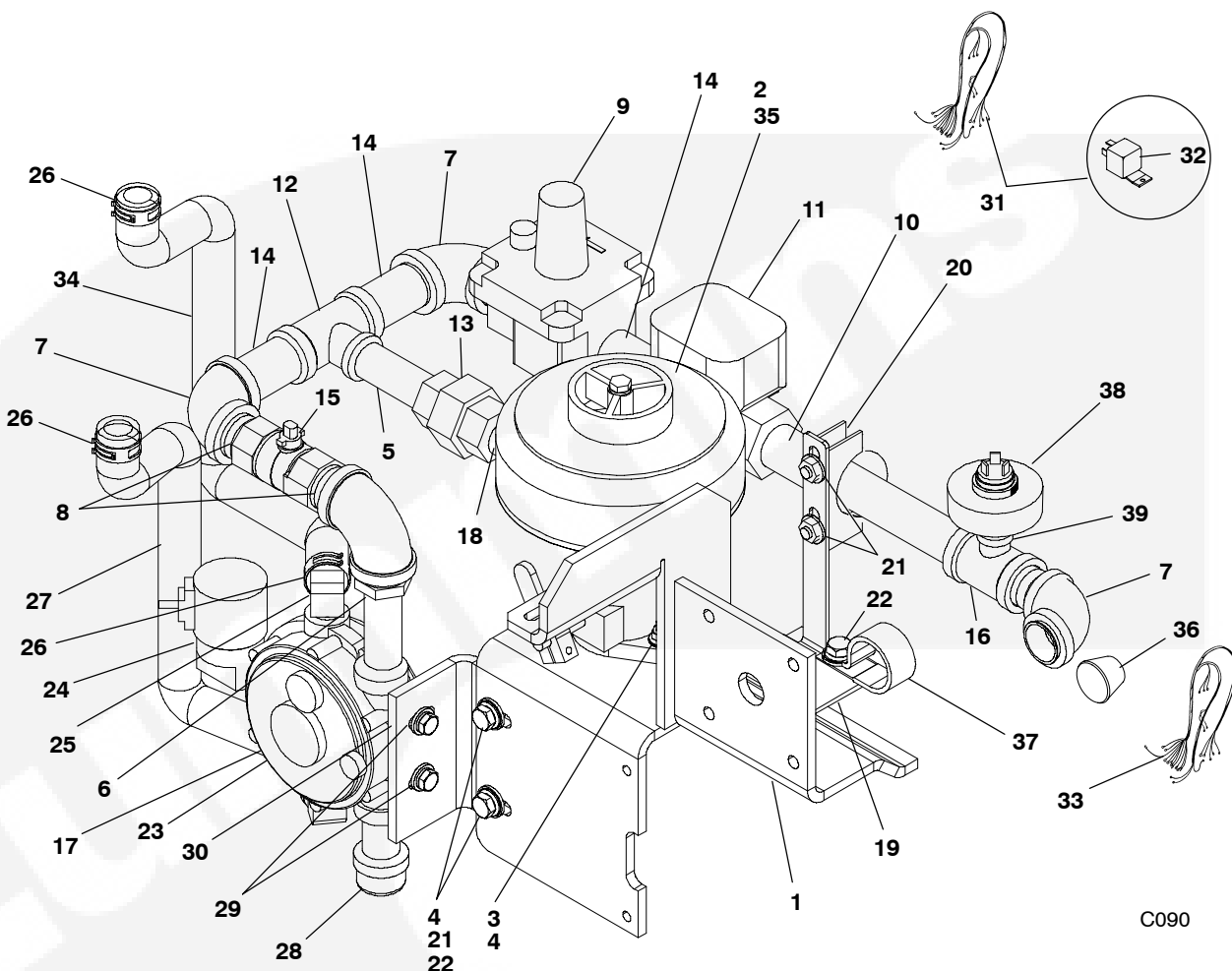


C065

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2811-02	1	Bracket, Mounting – Carburetor	17	505-1496	1	Tee, Reducing
2	148-1104	1	Carburetor	18	505-0210	1	Nipple, Pipe (1/2 NPT x 2.0)
3	520-1028	2	Stud (M8 x 1.25 x 48)	19	149-2617	1	Bracket, Support
4	870-2055	2	Nut, Lock – Flange (M8 x 1.25)	20	155-1256	2	Clamp, Muffler
5	505-0002	1	Nipple, Pipe (1/2 x 3)	21	526-2100	4	Washer, Flat (M8)
6	505-0132	4	Elbow, Pipe (90°) (3/4)	22	821-6003-03	2	Screw, Hex Head, (M8 x 1.25 x 25)
7	505-0102	5	Nipple, Close (3/4 x 1-3/8)	23			Harness, Dual Fuel – Includes Relay
8	148-0597	1	Regulator, Natural Gas		338-3698	1	Spec A, B
9	505-0754	2	Nipple, Pipe (3/4 NPT x 6.0)		338-3816	1	Begin Spec C
10	307-0312-01	2	Valve, Solenoid	24	307-2817-01	1	Relay (12 Volt) (K99)
11	148-0637	1	Regulator, LPG Vapor	25	332-2634	1	Clamp, J
12	505-0167	1	Tee, Reducing	26	145-0724	2	Gasket, Carburetor
13	505-0150	1	Union, Ground Joint (1/2 NPT)	27	517-0094	2	Plug, Hole
14	505-0084	2	Nipple, Pipe (3/4 NPT x 2.5)	28	309-0669-01	1	Switch, Low Pressure
15	504-0171	1	Valve (3/4)	29	505-0007	1	Bushing, Reducer (1/4 x 1/8)
16	505-0332	1	Nipple, Pipe (3/4 NPT x 3.0)				

Fuel System

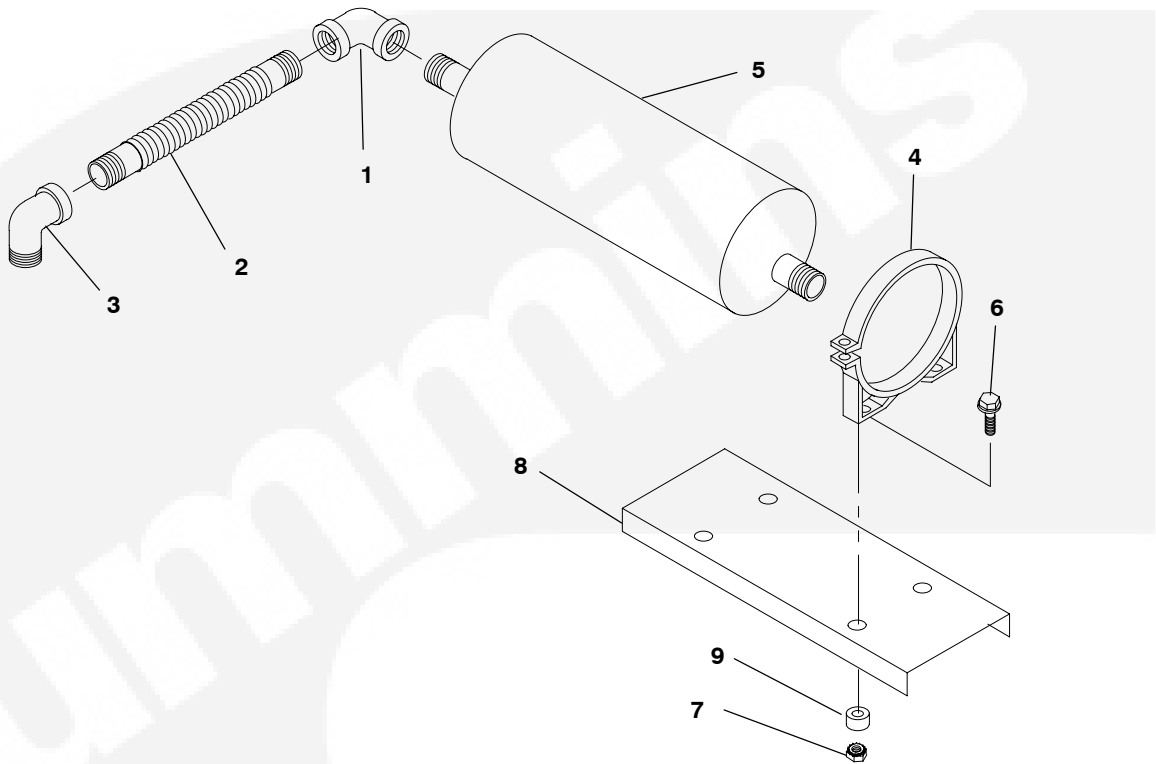
Natural Gas / Propane Liquid With Low Pressure Switch and Automatic Changeover



C090

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2811-02	1	Bracket, Mounting - Carburetor	22	821-6003-03	4	Screw, Hex Head (M8 x 1.25 x 25)
2	148-1104	1	Carburetor	23	148-0737	1	Regulator
3	520-1028	2	Stud (M8 x 1.25 x 48)	24	307-0268-01	1	Valve, Solenoid
4	870-2055	4	Nut, Lock - Flange (M8 x 1.25)	25	502-0942	2	Connector, Hose (90°)
5	505-0002	2	Nipple, Pipe (1/2 NPT x 3.0)	26	503-0131	4	Clamp, Hose
6	505-0021	1	Bushing, Reducer (3/4 NPT)	27	503-0386	1	Hose, Flex - Bulk (Order by the Foot - 4 Feet Required) (5/8")
7	505-0132	4	Elbow, Pipe (90°) (3/4")	28	505-0158	1	Cap, Pipe (1/2 NPT)
8	505-0102	4	Nipple, Close (3/4 NPT x 1-3/8)	29	526-0399-13	2	Washer, Flat (1/4)
9	148-0597	1	Regulator, Natural Gas	30	149-2622	1	Bracket, Support
10	505-0754	1	Nipple, Pipe (3/4 NPT x 6.0)	31			Harness, Dual Fuel - Includes Relay
11	307-0312-01	1	Valve, Solenoid		338-3698	1	Spec A, B
12	505-0167	1	Tee, Reducing		338-3816	1	Begin Spec C
13	505-0150	1	Union, Ground Joint (1/2 NPT)	32	307-2817-01	1	Relay (12 Volt) (K99)
14	505-0084	3	Nipple, Pipe (3/4 NPT x 2.5)	33	338-3654	1	Harness, LPG
15	504-0171	1	Valve (3/4)	34	503-0386	1	Hose, Flex - Bulk (Order by the Foot - 4 Feet Required) (5/8")
16	505-1496	1	Tee, Reducing	35	145-0724	2	Gasket, Carburetor
17	505-0099	1	Nipple, Pipe (1/4 NPT x .88)	36	517-0094	1	Plug, Hole
18	505-0210	2	Nipple, Pipe (1/2 NPT x 2.0)	37	332-2634	1	Clamp, J
19	149-2617	1	Bracket, Support	38	309-0669-01	1	Switch, Low Pressure
20	155-1256	1	Clamp, Muffler	39	505-0007	1	Bushing, Reducer (1/4 x 1/8)
21	526-2100	4	Washer, Flat (M8)				

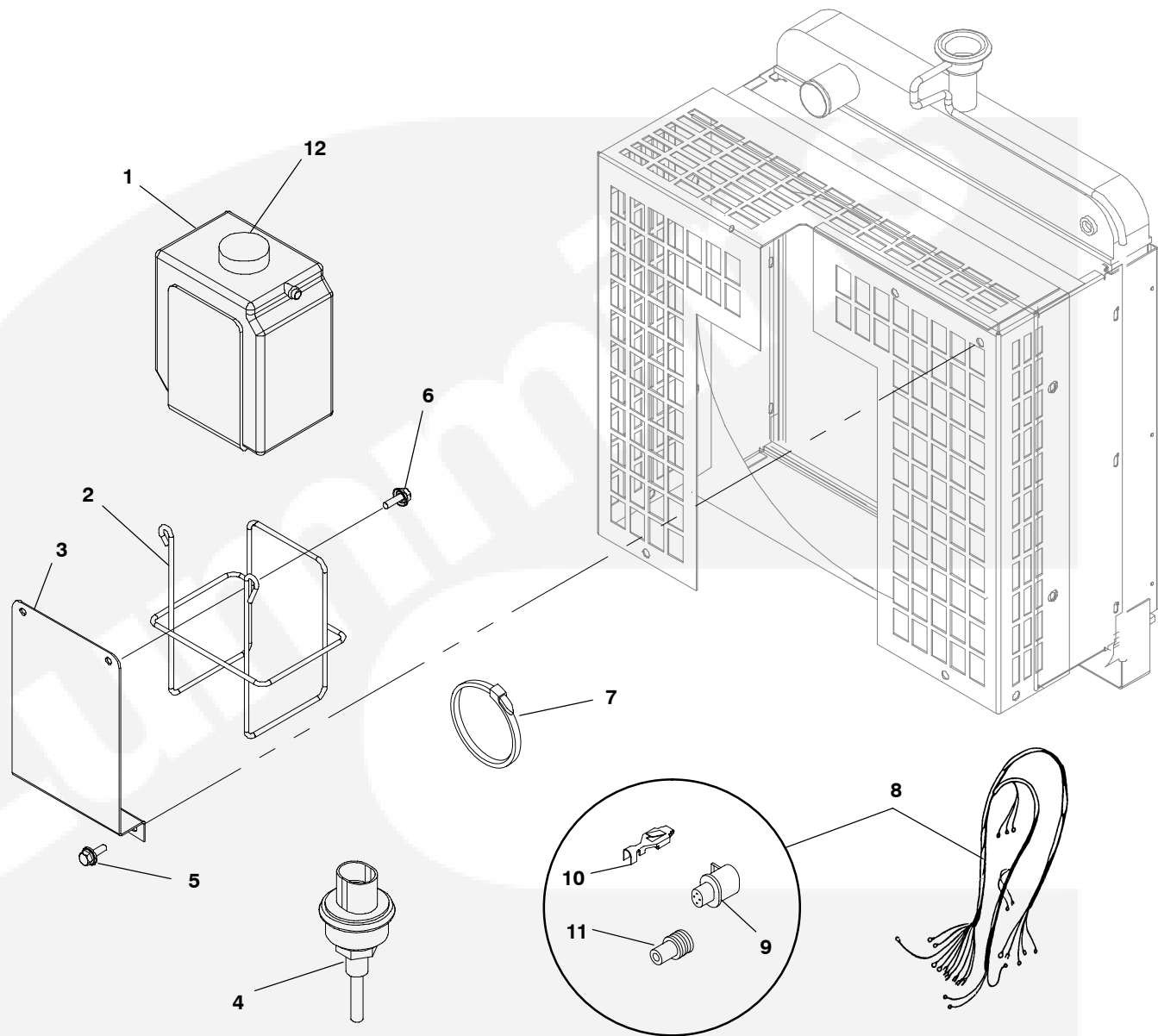
Muffler Housed Sets



A076

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0043	1	Elbow, 90° (1-1/2")	6	821-2050	4	Screw, Lock (M8 x 1.25 x 40)
2	155-0927	1	Tube, Exhaust	7	870-2055	4	Nut, Lock (M8 x 1.25)
3	505-0462	1	Elbow, Street 90° (1-1/2")	8	155-1924	1	Shield, Heat - Muffler
4	140-0078	2	Bracket, Air Cleaner	9	155-1926	4	Spacer, Muffler
5	155-0360-01	1	Muffler, Critical				

Low Coolant Level Switch

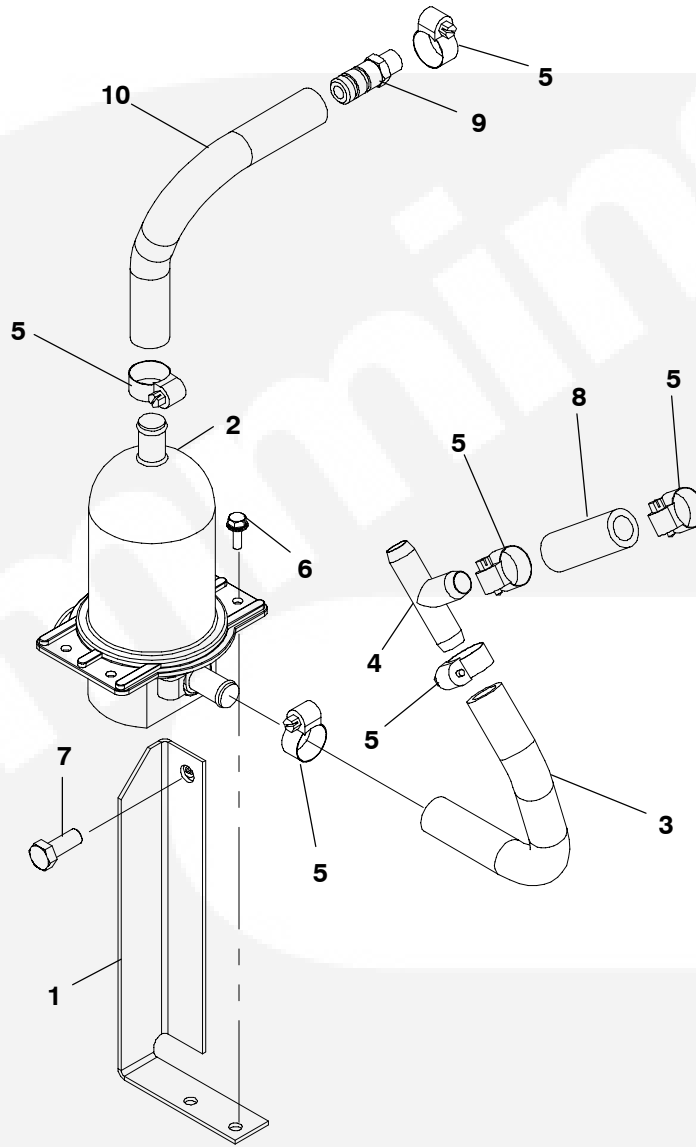


H389,H527

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3570	1	Tank, Coolant	8	338-3594	1	Harness, Pigtail (Includes Parts Marked *)
2	130-3571	1	Hanger, Tank	9	323-1765	1	*Housing, Connector (4 Pin)
3	130-4846	1	Bracket, Coolant Tank	10	323-1709	4	*Socket, Contact
4	193-0468	1	Switch, Low Coolant Level (S7)	11	323-1708	4	*Seal, Cable
5	821-6003-03	2	Screw, Hex Head (M8 x 1.25 x 20)	12	130-3572	1	Cap, Tank
6	821-2034	2	Screw, Self-Locking - Flange Head (M6 x 1 x 20)				
7	332-1389	A/R	Tie, Cable				

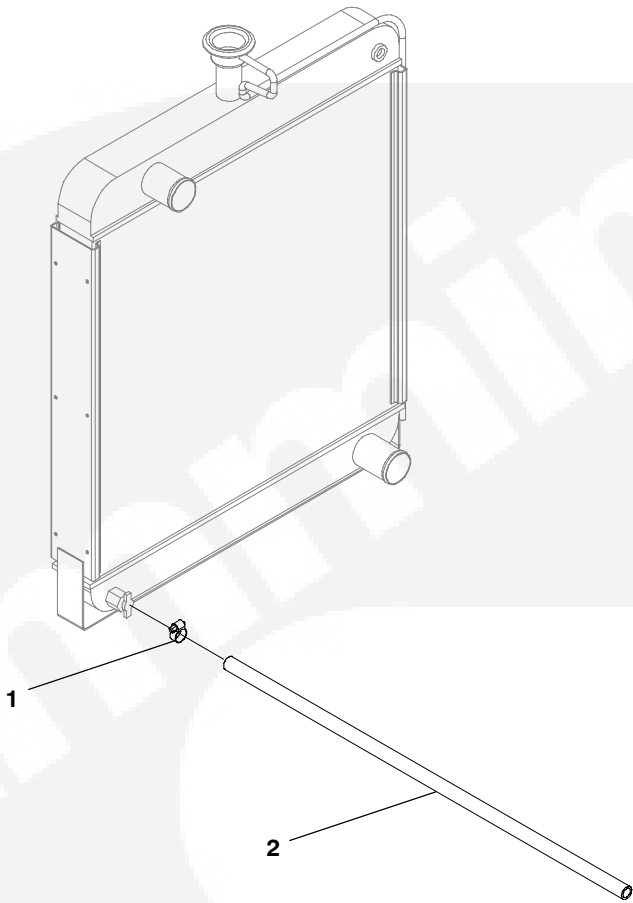
* - Parts Included in 338-3594 Pigtail Harness

Coolant Heater



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0624	1	Bracket, Heater	7	821-2060	1	Screw, Self-Locking – Hex Washer Head (M10 x 1.5 x 20)
2	333-0588-01	1	Heater, Engine Coolant 120 Volt	8	503-0386	–	Hose, Engine Coolant – Bulk (Order by the Foot – 1 Foot Required)
	333-0588-02	1	208/240 Volt	9	502-0613	1	Adapter, Hose
3	503-0386	–	Hose, Engine Coolant – Bulk (Order by the Foot – 1 Foot Required)	10	503-0386	–	Hose, Engine Coolant – Bulk (Order by the Foot – 1 Foot Required)
4	502-0870	1	Tee				
5	503-0183	6	Clamp, Hose				
6	821-6002-03		Screw, Hex Head (M6 x 1 x 16)				

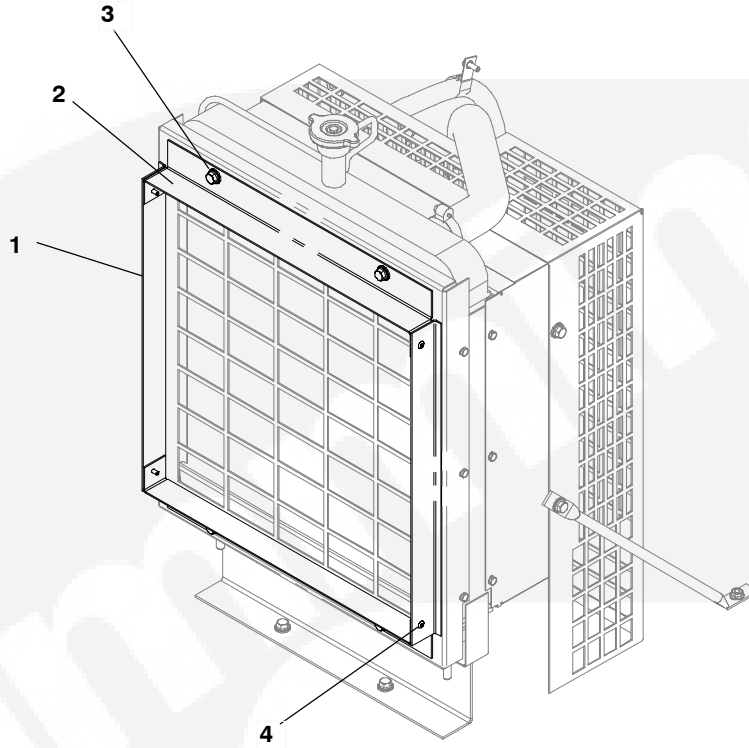
Radiator Drain



E089

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0685	1	Clamp, Hose	2	503-1274	1	Hose, Radiator Drain (24")

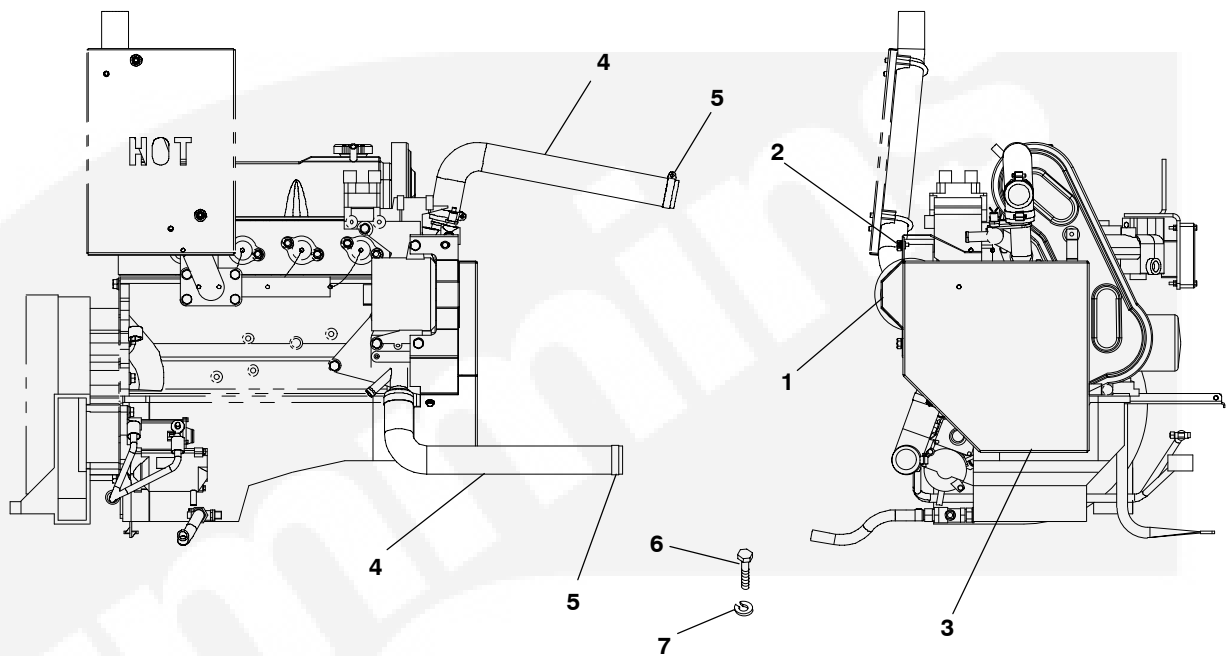
Duct Adapter



F013

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4835	2	Adapter, Duct – Side	3	821-6003-02	4	Screw, Hex Head SEMS (M8 x 1.25 x 20)
2	130-4834	2	Adapter, Duct – Top and Bottom	4	818-0231-02	4	Rivet, Pop

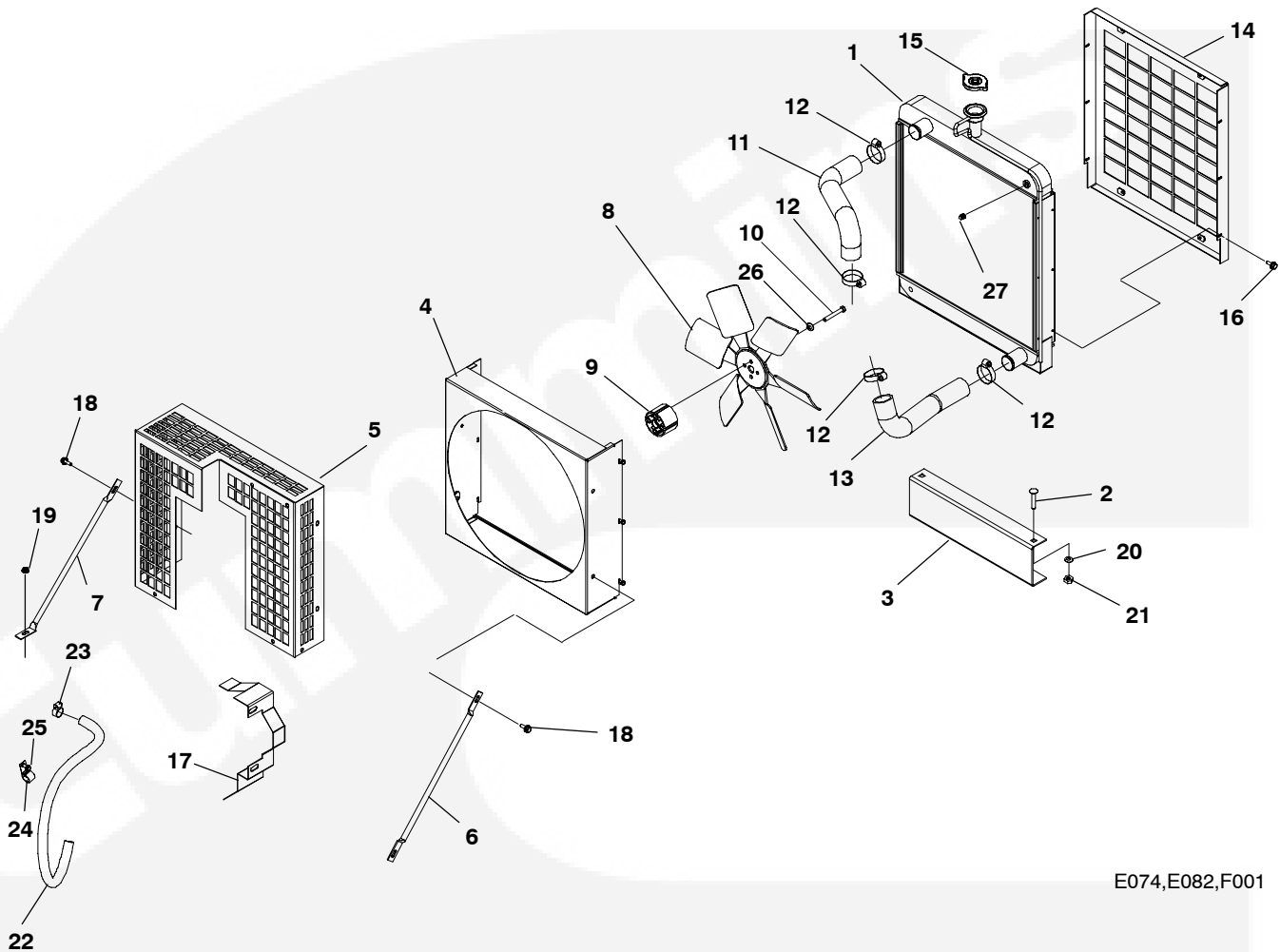
Remote Radiator



E043

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	191-2268-02	1	Guard, Alternator Belt	5	503-1138	4	Clamp, Hose
2	821-2032	2	Screw, Lock (M6 x 1 x 12)	6	800-2056	4	Screw, Cap – Hex Head (M8 x 1.25 x 16)
3	191-2263	1	Guard, Belt	7	850-2008	4	Washer, Lock (M8)
4	503-0869	2	Hose, Radiator				

Radiator Spec A

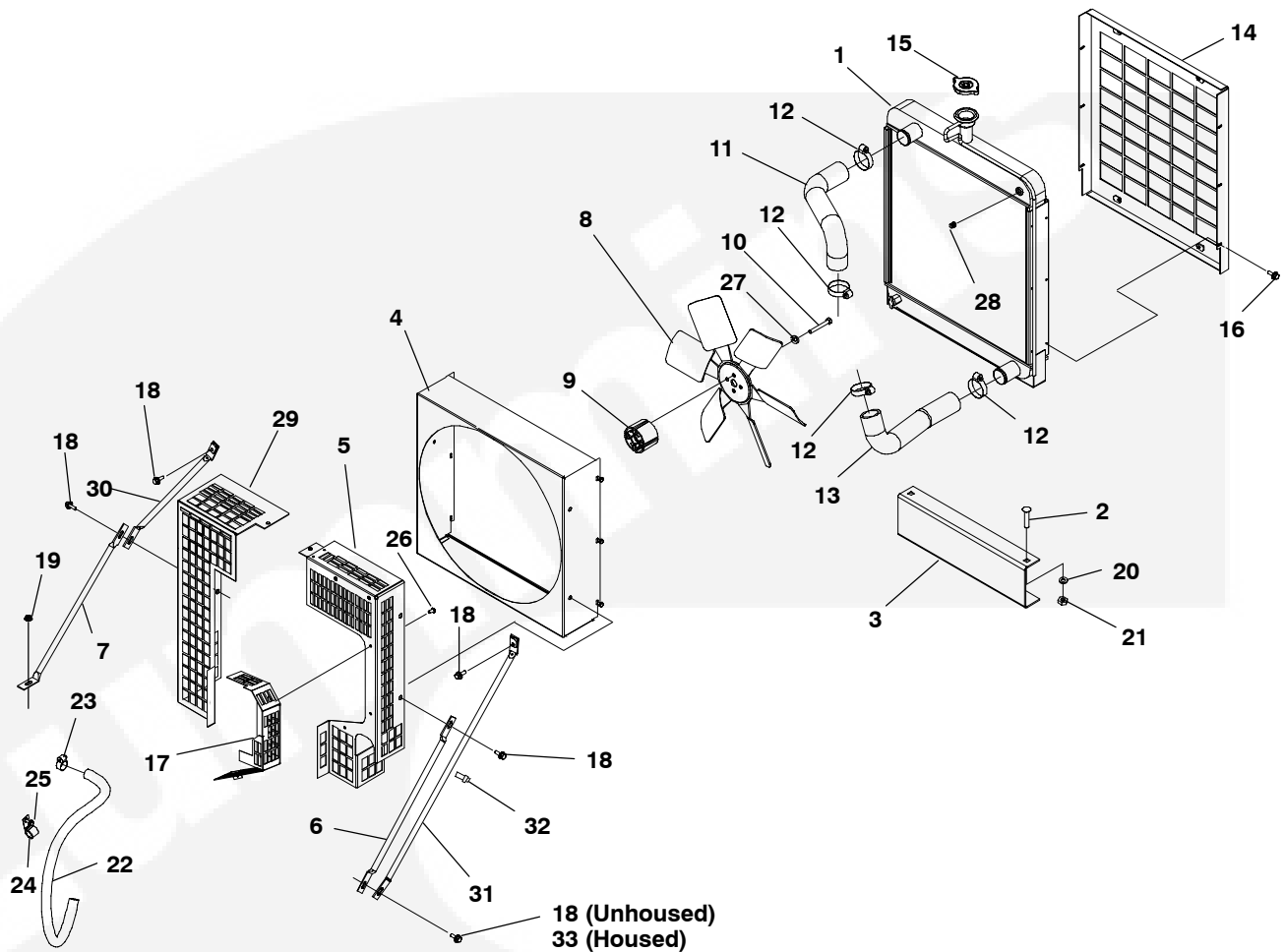


E074,E082,F001

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3552	1	Radiator
2	816-0152	2	Bolt, Carriage (3/8 x 2)
3	130-4796	1	Mount, Radiator
4	130-4856	1	Shroud, Fan
5	130-4839	1	Guard, Fan
6	130-1793	1	Brace, Radiator (LH)
7	130-1798	1	Brace, Radiator (RH)
8	130-4792	1	Fan, Engine
9	130-4770-03	1	Spacer, Fan
10	800-2071	4	Screw, Hex Head Cap (M8 x 1.25 x 90)
11	503-2085	1	Hose, Radiator Inlet (Top)
12	503-0429	4	Clamp, Hose
13	503-2092	1	Hose, Radiator Outlet (Bottom)
14	130-4833	1	Guard, Radiator (Unhoused Sets only)
15	130-3721-01	1	Cap, Radiator - 15 PSI

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
16			Screw, Hex Head - Thread Cutting (#10-32 x 3/8)
	815-0194	6	Housed Sets
	815-0194	12	Unhoused Sets
17	191-2268-01	1	Guard, Alternator Belt
18	821-6003-02	7	Screw, Hex Head (M8 x 1.25 x 20)
19	870-0257	1	Nut, Self-Locking (5/16-18)
20	526-0141	2	Washer, Flat (15/32)
21	870-0281	2	Nut, Hex (3/8-16)
22	503-0386	-	Hose, Engine Coolant - Bulk (Order by the Foot - 3 Feet Required)
23	503-0183	2	Clamp, Hose
24	332-2634	1	Clamp, J
25	821-2033	1	Screw, Flange (M6 x 1 x 12)
26	850-2008	4	Washer, Lock (M8)
27	502-0153	1	Plug, 1/4" Hex Head Pipe

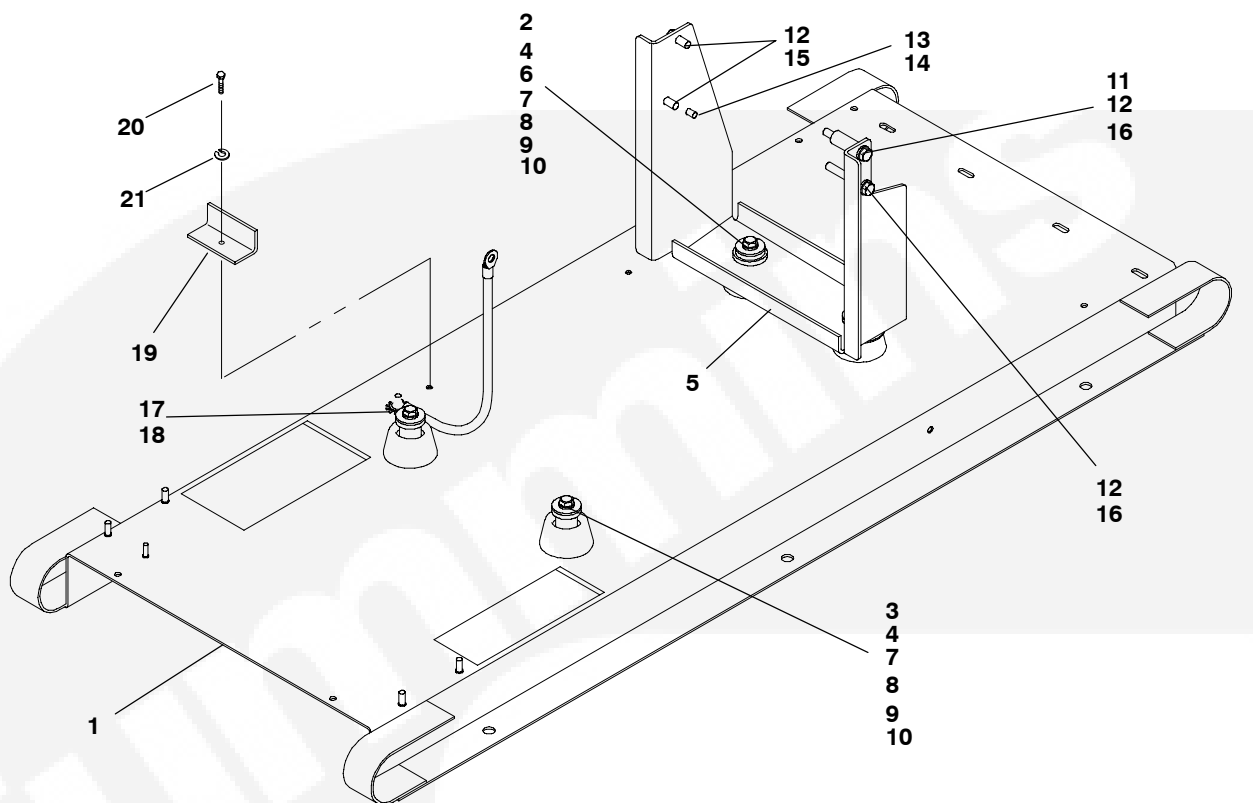
Radiator Begin Spec B



E074,F173,F184

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-3552	1	Radiator	17	191-2276-02	1	Guard, Alternator Belt
2	816-0152	2	Bolt, Carriage (3/8-16 x 2)	18			Screw, Hex Head (M8 x 1.25 x 20)
3	130-4796	1	Mount, Radiator		821-6003-02	7	Housed Sets
4	130-5003-02	1	Shroud, Fan		821-6003-02	8	Unhoused Sets
5	130-4959-02	1	Guard, Fan (LH)	19	870-0257	1	Nut, Self-Locking (5/16-18)
6	130-1793	1	Brace, Radiator (LH)	20	526-0141	2	Washer, Flat (15/32)
7	130-1798	1	Brace, Radiator (RH)	21	870-0281	2	Nut, Hex (3/8-16)
8	130-4792	1	Fan, Engine	22	503-2185-01	1	Hose, Engine Coolant
9	130-4770-03	1	Spacer, Fan	23	503-0183	2	Clamp, Hose
10	800-2071	4	Screw, Cap - Hex Head (M8 x 1.25 x 90)	24	332-2634	1	Clamp, J
11	503-2085	1	Hose, Radiator Inlet (Top)	25	821-2033	1	Screw, Flange (M6 x 1 x 12)
12	503-0429	4	Clamp, Hose	26	818-0231-02	2	Rivet, Pop (3/16)
13	503-2092	1	Hose, Radiator Outlet (Bottom)	27	850-2008	4	Washer, Lock (M8)
14	130-4833	1	Guard, Radiator (Unhoused Sets)	28	502-0153	1	Plug, 1/4" Hex Head Pipe
15	130-3721-01	1	Cap, Radiator - 15 PSI	29	130-4958-02	1	Guard, Fan (RH)
16			Screw, Hex Head (M8 x 1.25 x 20)	30	130-5116-02	1	Brace, Radiator
	815-0194	6	Housed Sets	31	130-5117-02	1	Brace, Radiator
	815-0194	12	Unhoused Sets	32	503-0977	1	Clamp
				33	821-6007-02	1	Screw, Hex Head (M8 x 1.25 x 20)

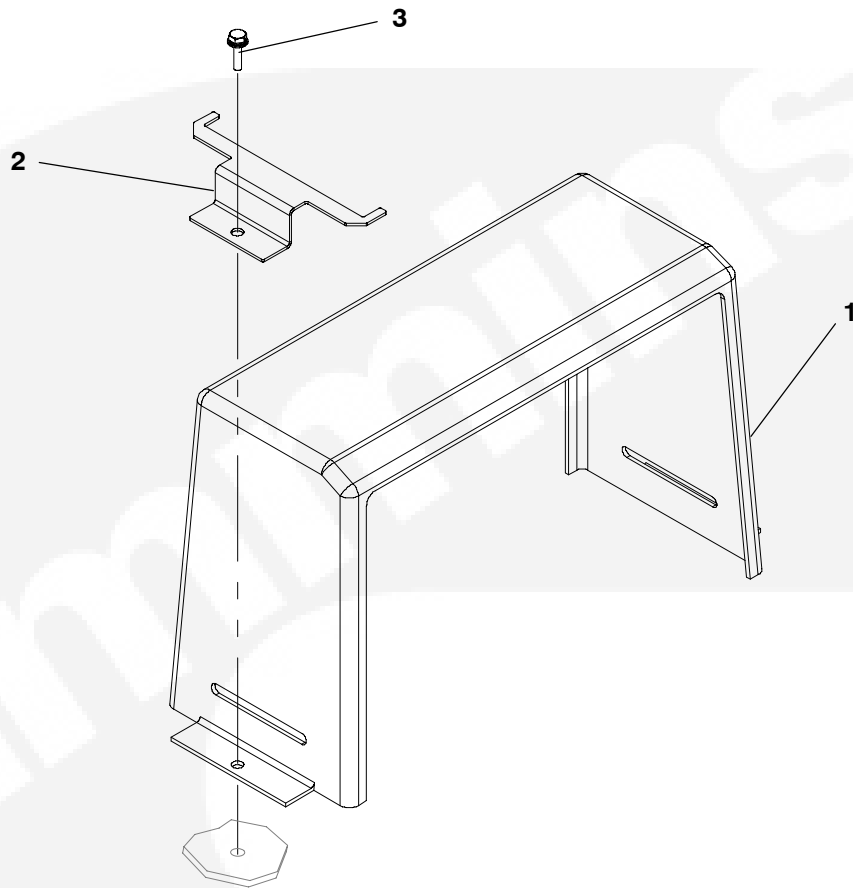
Skid



F179,C002,C099,C053,C065,C090

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-4254	1	Base, Skid Spec A-D	10	800-0081	4	Screw, Cap - Hex Head (7/16-14 x 3.5)
	403-5041-01	1	Begin Spec E	11	403-3795	1	Spacer, Engine Support
2	402-0285	2	Cushion, Vibration Isolation (Engine End) (2-3/4 x 2-11/32)	12	526-0174	4	Washer, Flat (3/8)
3	402-0286	2	Cushion, Vibration Isolation (Generator End) (2-3/4 x 2-11/32)	13	526-0122	1	Washer, Flat (5/16)
4	402-0290	4	Bushing, Spacer	14	800-2057	1	Screw, Cap - Hex Head (M8 x 1.25 x 20)
5	403-4255	1	Bracket, Front - Engine Mounting	15	800-2086	2	Screw, Cap - Hex Head (M10 x 1.5 x 25.4)
6	403-1830	2	Spacer	16	800-2095	2	Screw, Cap - Hex Head (M10 x 1.5 x 70)
7	402-0282	4	Cushion, Mounting - Rubber (1-1/2 x 1/4)	17	856-0009	2	Washer, Lock - EIT (5/16)
8	526-0014	4	Washer, Flat (7/16)	18	870-0257	1	Nut, Lock (5/16-18)
9	850-0055	4	Washer, Lock (7/16)	19	416-0961	2	Battery, Hold Down - Spec A-D
				20	800-2040	2	Screw, Cap - Hex Head (M6 x 1 x 50) - Spec A-D
				21	850-2056	2	Washer, Lock (M6) - Spec A-D

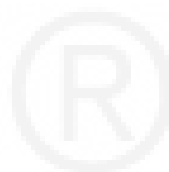
Battery Cover **Begin Spec E**



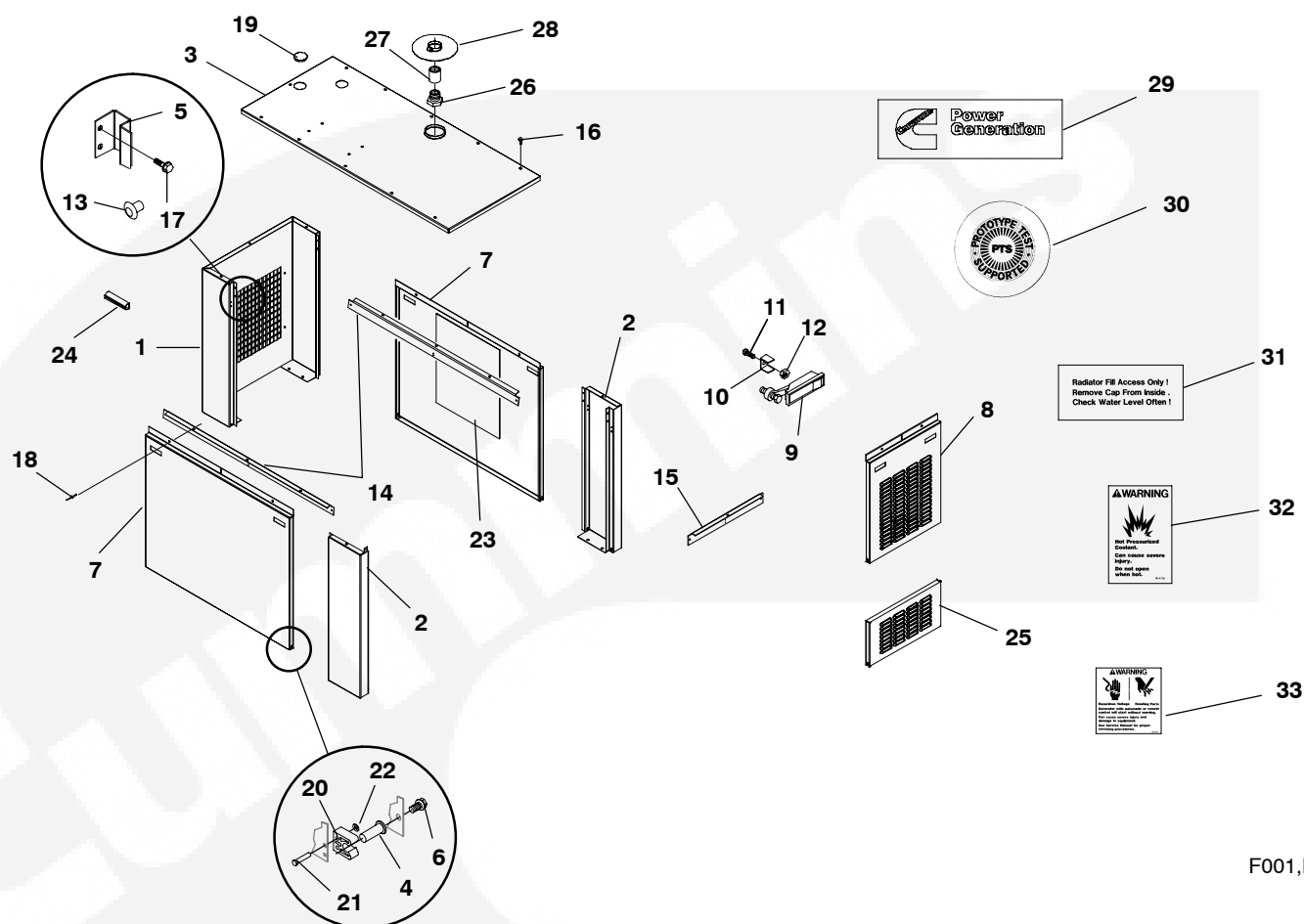
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	416-1164	1	Cover, Battery
2	416-1165-02	2	Hold Down, Battery

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	821-6002-04	2	Screw, Hex Head (M6 x 1 x 20)

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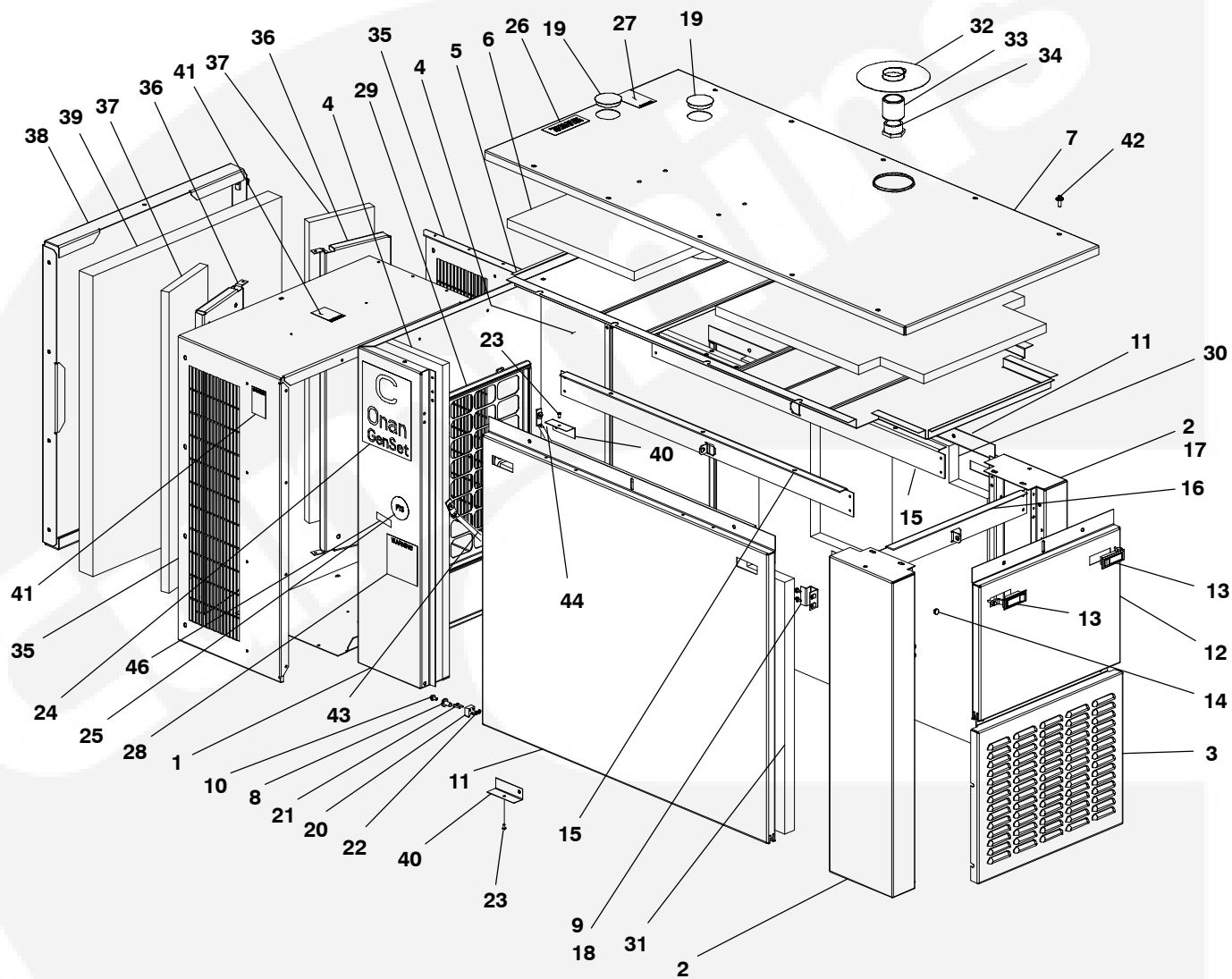
Housing Standard Weather Protective



F001,F184

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-6097	1	Panel, Front – Housing	17	821-6001-02	12	Screw, Hex Head (M5 x .8 x 12)
2	405-6167	2	Post, Corner	18	818-0231-02	12	Rivet, Pop
3	405-6168	1	Roof, Housing	19	517-0138-09	2	Plug, Hole
4	870-0258	6	Nut, Weld Stud	20	405-1872	6	Clip, Door
5	405-6164	6	Catch, Housing Door	21	818-0150	12	Rivet, Drive
6	821-0010	6	Screw, Lock Head (1/4-20 x 1/2)	22	526-0003	12	Washer, Flat (3/16)
7	405-6162	2	Door, Housing (Side)	23	128-0154-02	1	Insulation, Foam
8	405-6163	1	Door, Housing (Rear)	24	895-0387	4	Seal, Weather (18.5")
9	406-0615	6	Latch, Door	25	405-6202	1	Panel, Housing
10	406-0614	6	Bracket, Door	26	505-0025	1	Bushing, Reducer (1-1/2 x 1-1/4)
11	812-0084	6	Screw, Machine – Round Head (#8-32 x 1)	27	505-0032	1	Coupling, Pipe (1-1/2)
12	870-0221	6	Nut (#8-32)	28	405-1889	1	Shield, Rain
13	405-4932	6	Bumper, Housing	29	098-7902-02	2	Label, Logo
14	405-6169	2	Bracket, Housing	30	098-4500	2	Label, Prototype Tested
15	405-6170	1	Bracket, Housing	31	098-5429	1	Label, Coolant Fill
16	821-6003-02	22	Screw, Hex Head (M8 x 1.25 x 20)	32	098-4730	1	Label, Warning
				33	098-4732	1	Label, Warning

**Housing
Quiet Site Second Stage
Begin Spec B**



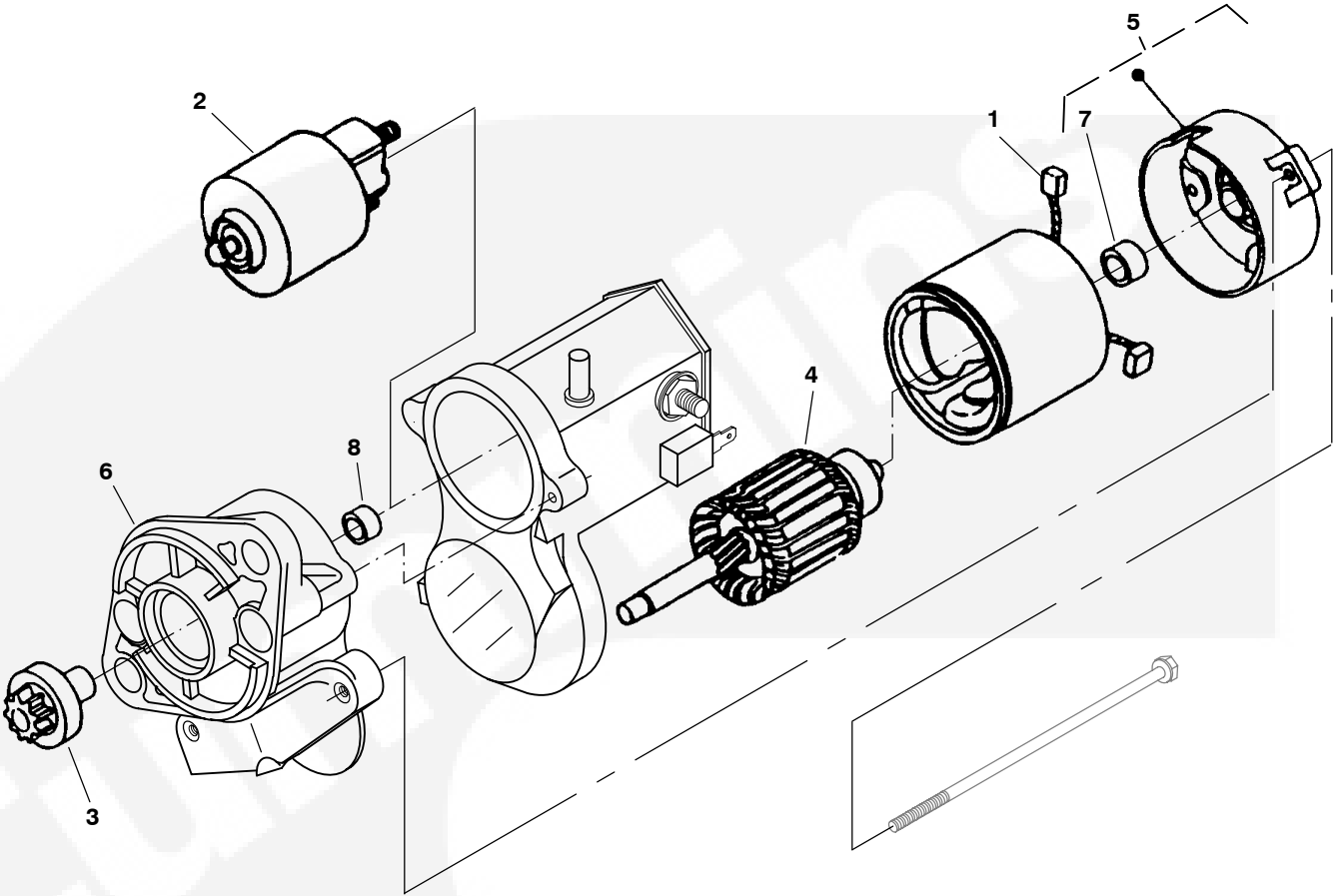
F173

Housing
Quiet Site Second Stage
Begin Spec B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-6097	1	Panel, Front – Housing	25	098-4500	2	Label, Prototype
2	405-6167	2	Post, Corner	26	098-5429	1	Label, Coolant Fill
3	405-6202	1	Panel, Housing	27	098-4730	1	Label, Warning
4	405-6195	2	Panel, Insulation	28	098-4732	2	Label, Warning
5	405-6201-02	1	Support, Insulation	29	895-0387	4	Seal, Weather
6	405-6199	1	Panel, Insulation	30	405-6196	1	Panel, Insulation
7	405-6168	1	Roof, Housing	31	405-6197	1	Panel, Insulation
8	870-0258	6	Nut, Weld	32	405-1889	1	Shield, Rain
9	405-6164	6	Catch, Housing Door	33	505-0032	1	Coupling, Pipe
10	821-0010	6	Screw, Self-Locking – Hex Washer Head (1/4–20 x .50)	34	505-0025	1	Bushing, Reducer (1-1/4 x 1-1/2)
11	405-6162	2	Door, Housing	35	405-6229-02	2	Duct, Air Outlet
12	405-6163	1	Door, Housing	36	405-6231-02	2	Duct, Air Outlet
13	406-0615	6	Latch, Door	37	405-6236	2	Panel, Insulation
14	405-4932	6	Bumper, Housing	38	405-6228-02	1	Duct, Air Outlet
15	405-6169	2	Bracket, Housing	39	405-6235	1	Panel, Insulation
16	405-6170	1	Bracket, Housing	40	405-6200-02	12	Support, Insulation
17	821-6003-02	14	Screw, Hex Head (M8 x 1.25 x 20)	41	098-7451	3	Label, Caution
18	821-6001-02	12	Screw, Hex Head (M5 x 0.8 x 12)	42	821-6007-02	20	Screw, Hex Head (M8 x 1.25 x 20)
19	517-0138-09	2	Plug, Hole	43	130-5116-02	1	Brace, Radiator
20	405-1872	6	Clip, Door	44	130-5117-02	1	Brace, Radiator
21	818-0150	12	Rivet, Drive (5/32)	45	503-0977	1	Clamp (Used with Item 44 and Radiator Brace – Not Illustrated)
22	526-0003	12	Washer, Flat (3/16)				
23	818-0231-02	58	Rivet, Pop	46	098-7868	1	Label
24	098-7902-02	2	Label, Logo				



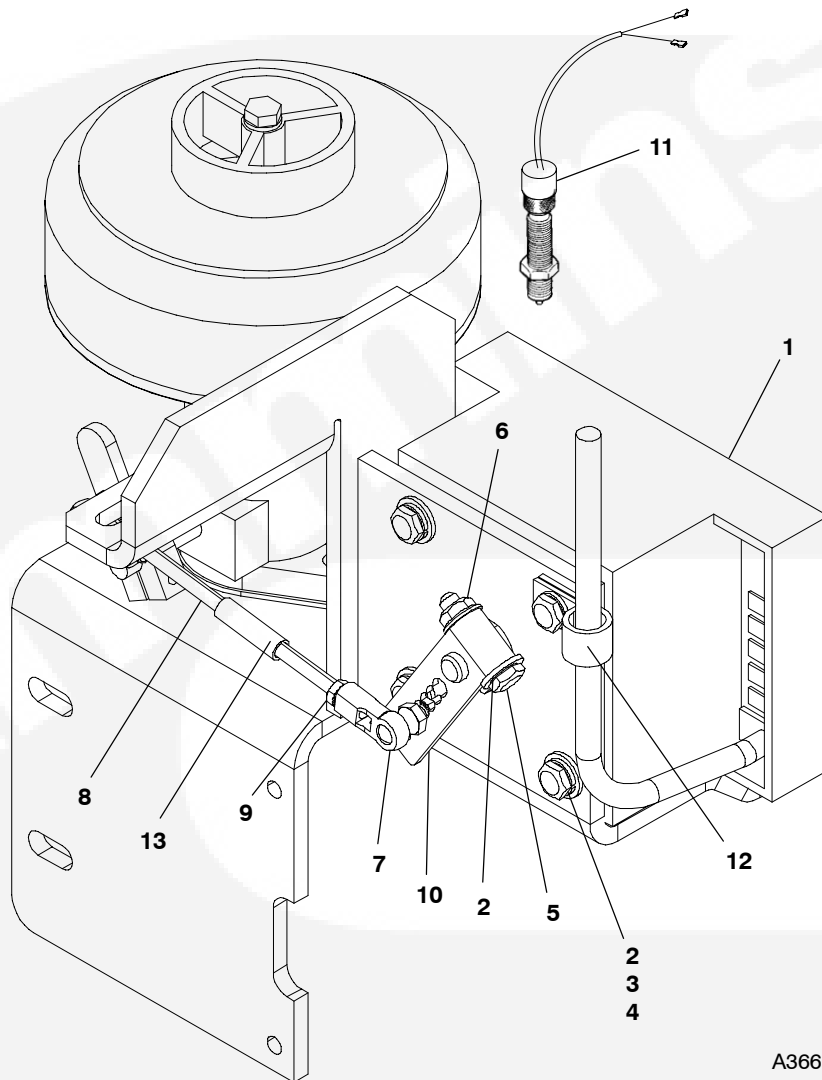
Starter



CP01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-2213	1	Starter – Complete (1.4kW) (B1)	5	191-2219	1	Frame, Commutator End
1	191-2215	1	Kit, Starter Brush	6	191-2220	1	Housing
2	191-2216	1	Switch	7	191-2221	1	Bearing, Commutator End
3	191-2217	1	Clutch	8	191-2222	1	Bearing, Pinion End
4	191-2218	1	Armature				

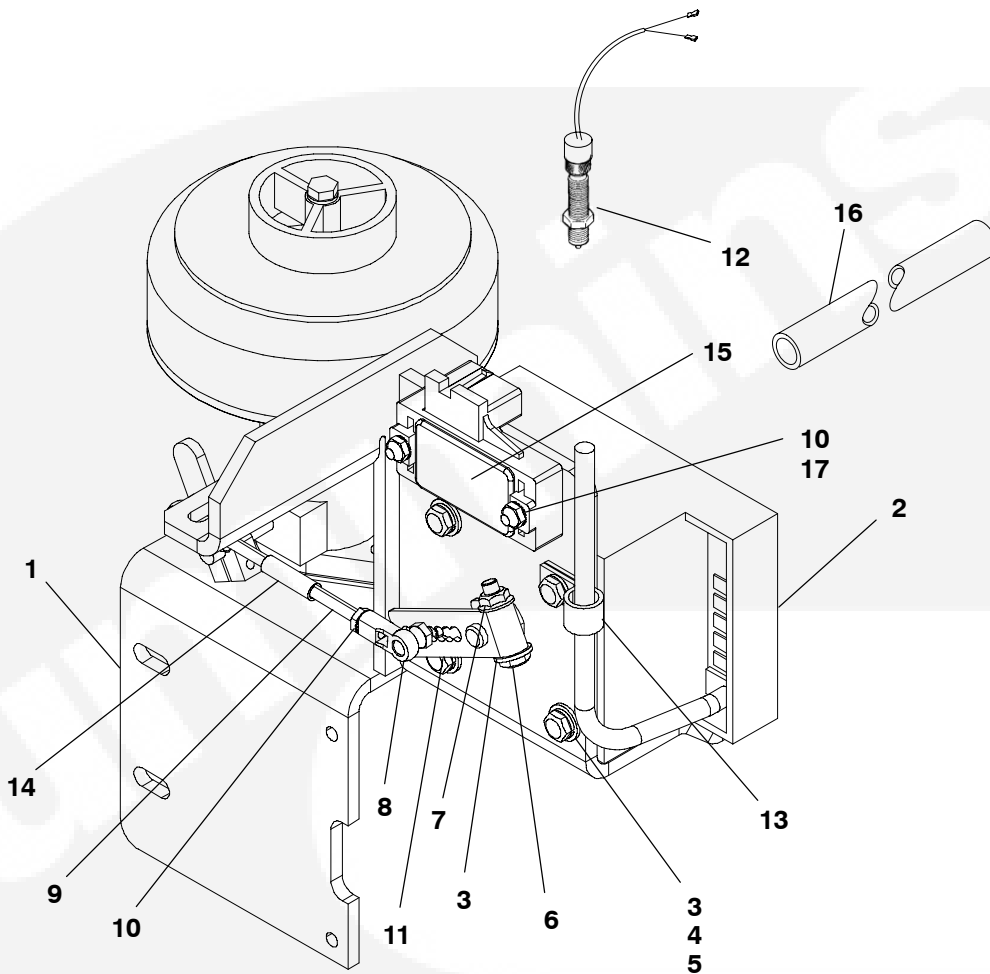
Governor Spec A-C



A366

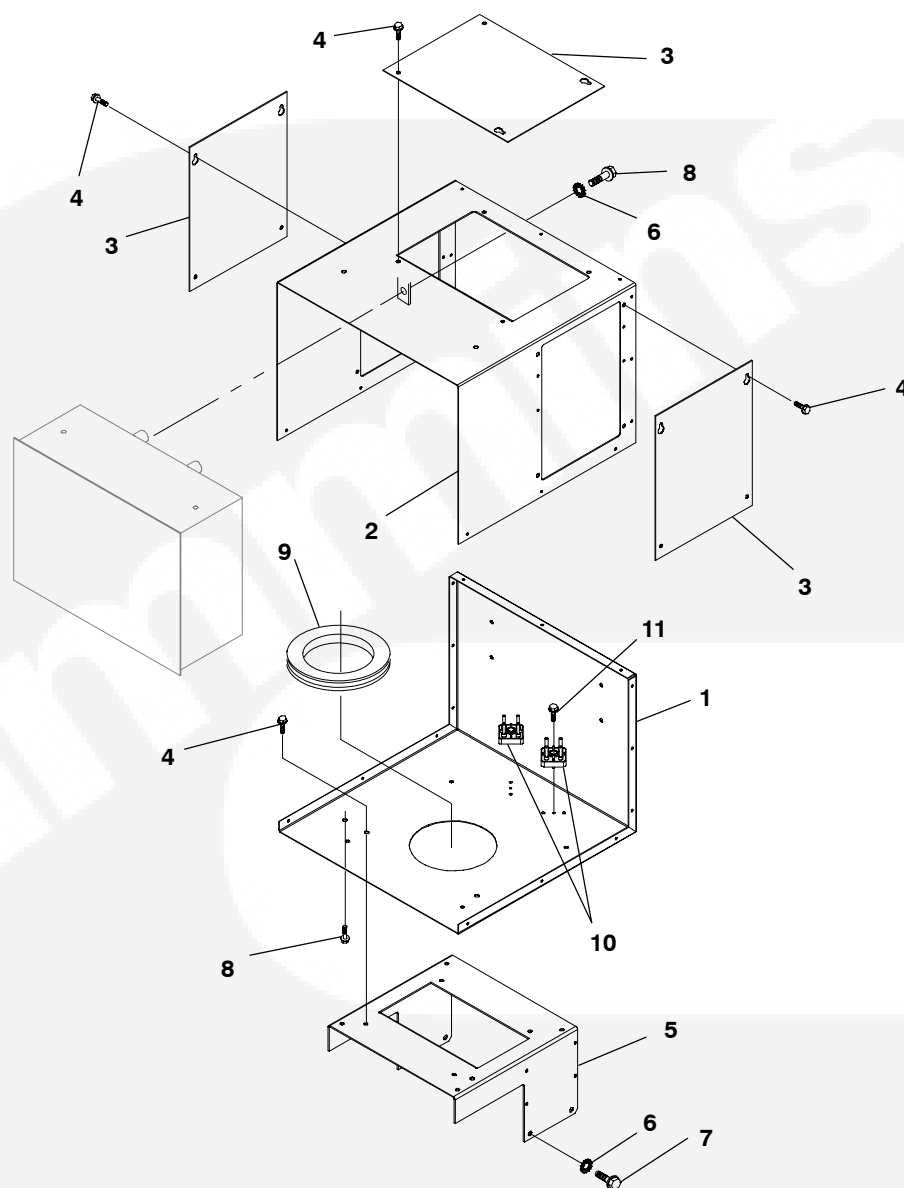
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2692-01	1	Governor (Includes Lever) (A12)	6	870-0212	1	Nut, Locking (1/4-20)
2	526-0018	5	Washer, Flat (1/4)	7	150-0939	2	Joint, Ball
3	850-0040	4	Washer, Split - Lock (1/4)	8	150-2694	1	Stud, Governor Link
4	800-0602	4	Screw, Cap - Hex Head (1/4-28 x .75)	9	870-0131	4	Nut, W/ET (#10-32)
5	800-0008	1	Screw, Cap - Hex Head (1/4-20 x 1_1/4)	10	150-2620	1	Lever, Governor
				11	150-2651	1	Pickup, Magnetic (P1)
				12	332-1554	1	Clamp, Loop (Insulated)
				13	150-2550	1	Spring

**Governor
Begin Spec D**



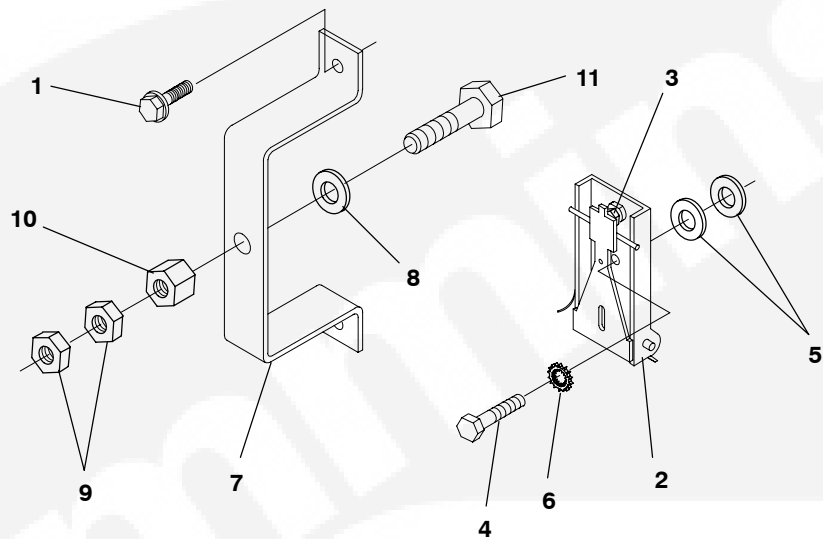
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2811-02	1	Bracket, Governor	9	150-2694	1	Stud, Governor Link
2	150-2692-01	1	Governor (Includes Lever (A12)	10	870-0131	6	Nut, W/ET (#10-32)
3	526-0018	3	Washer, Flat (1/4)	11	150-2620	1	Lever, Governor
4	850-0040	4	Washer, Split – Lock (1/4)	12	150-2651	1	Pickup, Magnetic (P1)
5	800-0602	4	Screw, Cap – Hex Head (1/4-28 x .75)	13	332-1554	1	Clamp, Loop (Insulated)
6	800-0008	1	Screw, Cap – Hex Head (1/4-20 x 1_1/4)	14	150-2550	1	Spring
7	870-0212	1	Nut, Locking (1/4-20)	15	193-0545	1	Map, Sensor – Ignition
8	150-0939	2	Joint, Ball	16	503-2159-01	1	Hose, Vacuum
				17	813-0107	2	Screw, Machine – Round Head (#10-32 x 1-1/4)

Control Housing Detector Control



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3313	1	Panel, Control Housing	7	815-0236	4	Screw, Thread Cutting (5/16-18 x 5/8)
2	319-3312	1	Panel, Control Housing Top	8	821-0014	4	Screw, Locking (5/16-18 x 1/2)
3	319-3316	2	Cover, Control Housing	9	508-0305-02	-	Edging - Bulk (Order By The Foot - 1 Foot Required)
	319-3316	3	Sets W/Circuit Breaker	10	332-3249	2	Block, Terminal
4			Sets W/O Circuit Breaker	11	821-6001-03	2	Screw, Hex Head (M5 x 0.8 x 16)
			Screw, Hex Head (M6 x 1 x 16)	12	856-0006	1	Washer, Lock - W/EIT (1/4) - Used With Engine Harness (Not Illustrated)
	821-6002-03	25	Sets W/Circuit Breaker				
	821-6002-03	29	Sets W/O Circuit Breaker				
5			Bracket, Control Saddle				
	405-6098	1	Spec A-C				
	319-4970-02	1	Begin Spec D				
6	856-0008	6	Washer, Lock - W/IT (5/16)				

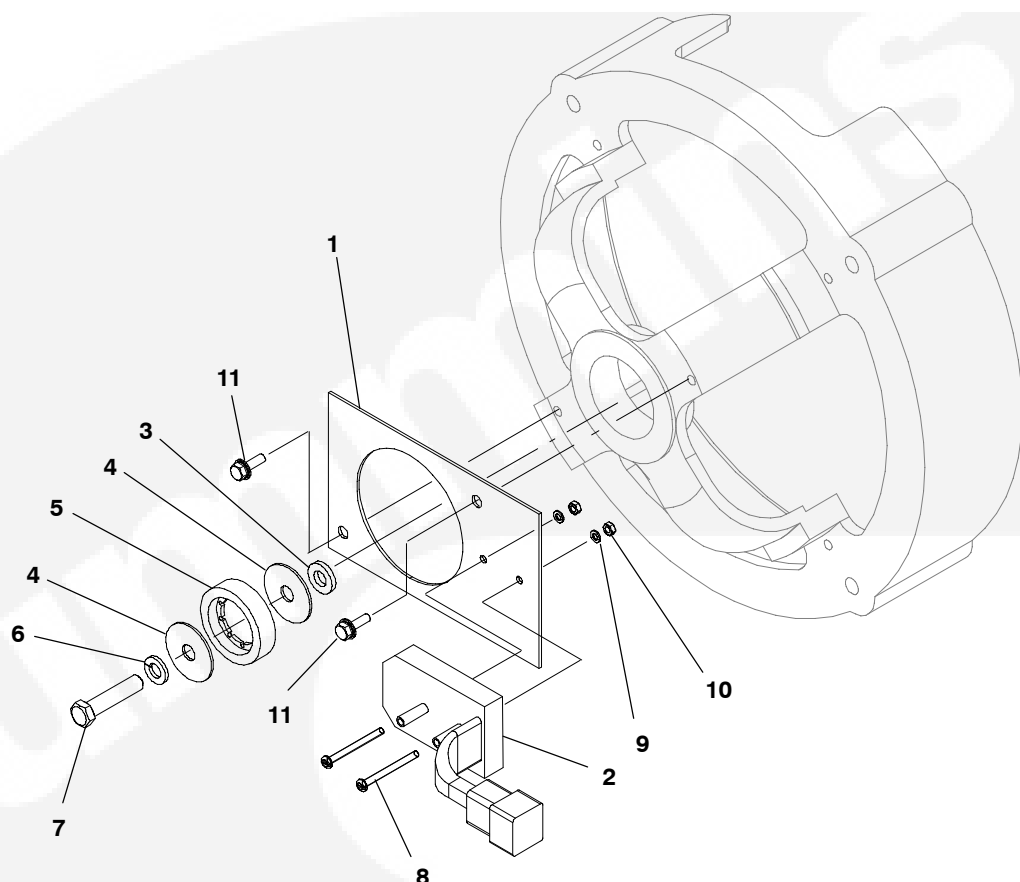
Overspeed Switch
Detector Control



H560,H559

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	821-0010	2	Screw, Lock (1/4-20 x 1/2")	6	856-0010	1	Washer, Lock - EIT (3/8")
2	150-0716	1	Switch, Overspeed	7	150-1445	1	Bracket, Overspeed Switch
3	815-0823	1	Screw, Cap - Hex Head (8-32 x 3/8")	8	853-0013	1	Washer, Lock - ET (1/4")
4	800-0051	1	Screw, Cap - Hex Head (3/8-16 x 1-1/4")	9	862-0001	2	Nut, Hex (1/4-20)
5	526-0077	2	Washer, Flat (13/32)	10	870-0250	1	Nut, Insulation (1/4-20)
				11	150-0723	1	Point, Overspeed

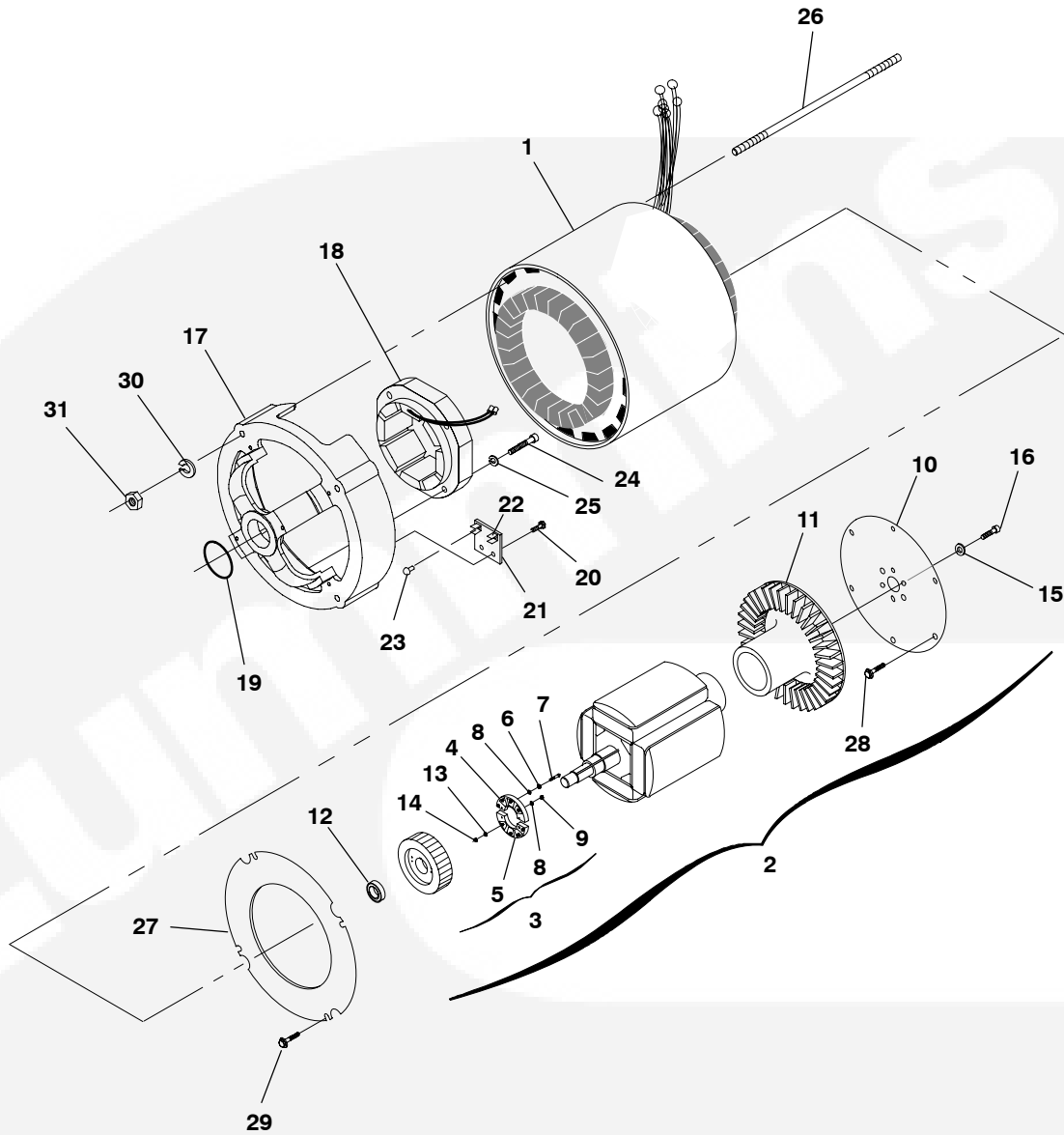
Electronic Overspeed 2-Wire Control



H562

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3384	1	Bracket, Overspeed	8	815-0865-13	2	Screw, Pan Head –Slotted (M4 x 45)
2	300-4324	1	Board, Printed Circuit – Overspeed	9	850-2004	2	Washer, Lock – Spring (M4)
3	526-0077	1	Washer, Flat (3/8)	10	860-2005	2	Nut, Hex (M4)
4	526-0124	2	Washer, Flat (3/8)	11	821-5002-04	2	Screw, Hex Head (1/4-20 x 5/8)
5	166-0767	1	Rotor, Ignition				
6	850-0050	1	Washer, Lock – Spring (3/8)				
7	800-0051	1	Screw, Cap – Hex Head (3/8-16 x 1.25)				

Generator Spec A-D



B274,B346,B256,B328,B340,B268,B304

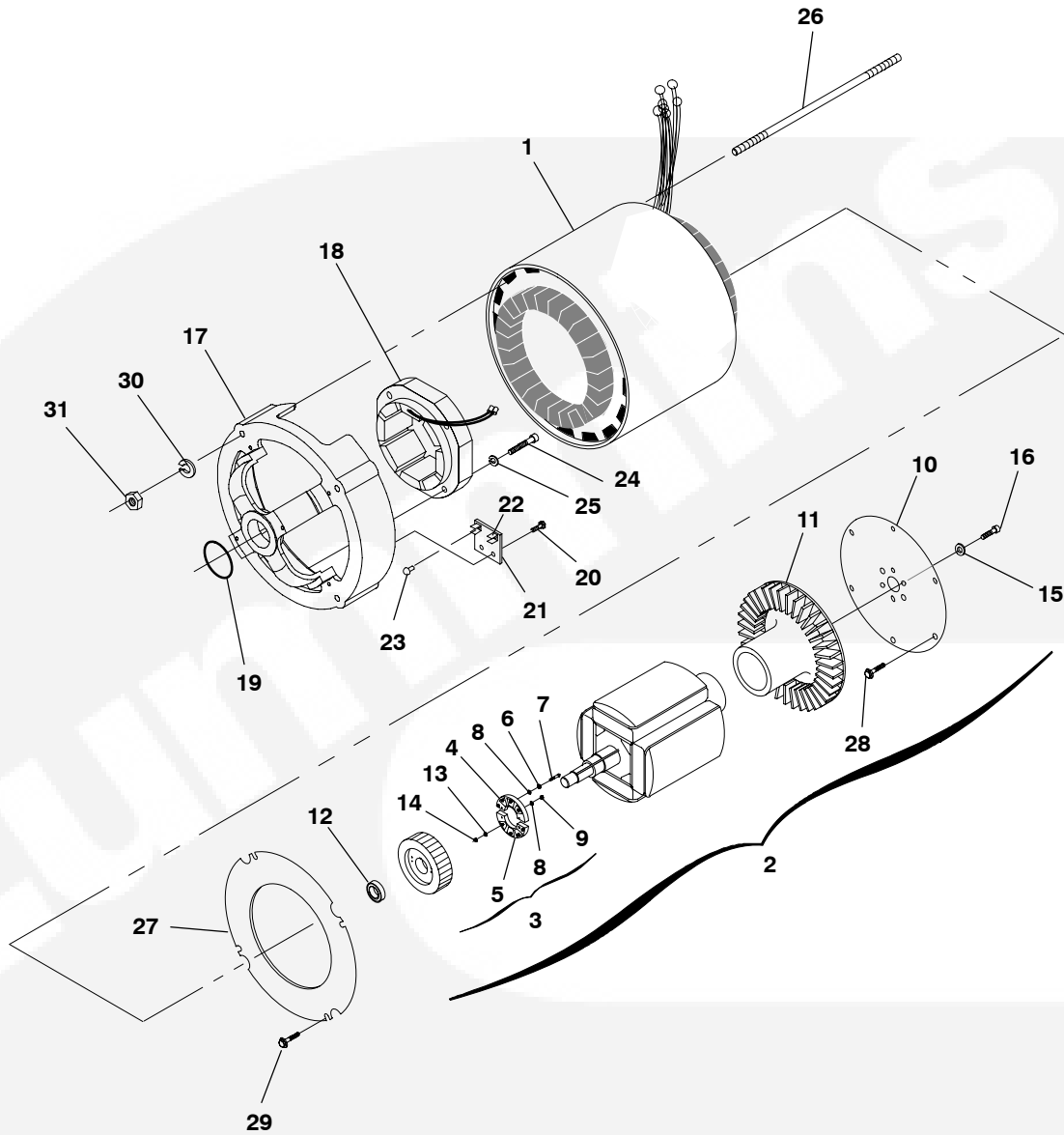
Generator Spec A-D

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator	17	211-0256-02	1	Bell, End
	220-4564-06	1	4 Lead	18	220-2009	1	Stator, Exciter
	220-4565-06	1	6 Lead	19	509-0094	1	Seal, O-Ring
	220-4563-06	1	12 Lead	20	815-0194	2	Screw, Hex Head - Thread Cutting - W/ET (#10-32 x 3/8)
	220-4563-07	1	12 Lead, Full Output on Single Phase				
2			Rotor Assembly, Generator (Includes parts marked *)	21	232-2417	1	Board, Connection
	201-3573-06	1	149mm Stack Length	22	332-1355	2	Terminal, Tab
	201-3573-07	1	181mm Stack Length	23	818-0006	2	Rivet
3	201-2151	1	* Rotor Assembly, Exciter (Includes Parts Marked #)	24	802-0038	4	Screw, Cap - Socket Head (1/4-20 x 1.5)
4	358-0069	1	*# Rectifier Assembly - Positive	25	850-0040	4	Washer, Lock (1/4)
5	358-0070	1	*# Rectifier Assembly - Negative	26			Stud
6	853-0008	4	*# Washer, Lock - ET (#10)		520-0799	4	149mm Stack Length
7	813-0100	4	*# Screw, Round Head - Machined (#10-32 UNF x 1/2)		520-0800	4	181mm Stack Length
8	526-0008	10	*# Washer, Flat (#10)	27	234-0519	1	Baffle, Air
9	870-0131	6	*# Nut, Hex - W/ET (#10-32)	28	805-0015	6	Bolt, Place (.38-16 UNC x .75)
10	232-2826	A/R	* Disk, Rotor Drive	29	821-0010	4	Screw, Lock (.25-20 UNC x .50)
11	205-0258	1	* Fan, Generator	30	850-0114-07	4	Washer, Lock (.38)
12	510-0112	1	* Bearing, Ball	31	862-0026-07	4	Nut, Hex (.38-16)
13	526-0399-11	2	* Washer, Flat (#10)				
14	870-0131-01	2	* Nut, Hex - W/ET (#10)				
15	526-0399-42	6	* Washer, Flat (.38 Hardened)				
16	800-0519	6	* Screw, Cap - Hex Head (.375-16 x .75) (Special)				

* Parts Included in Generator Rotor Assembly

Parts Included in Exciter Rotor Assembly

Generator Begin Spec E



B274,B346,B256,B328,B340,B268,B304

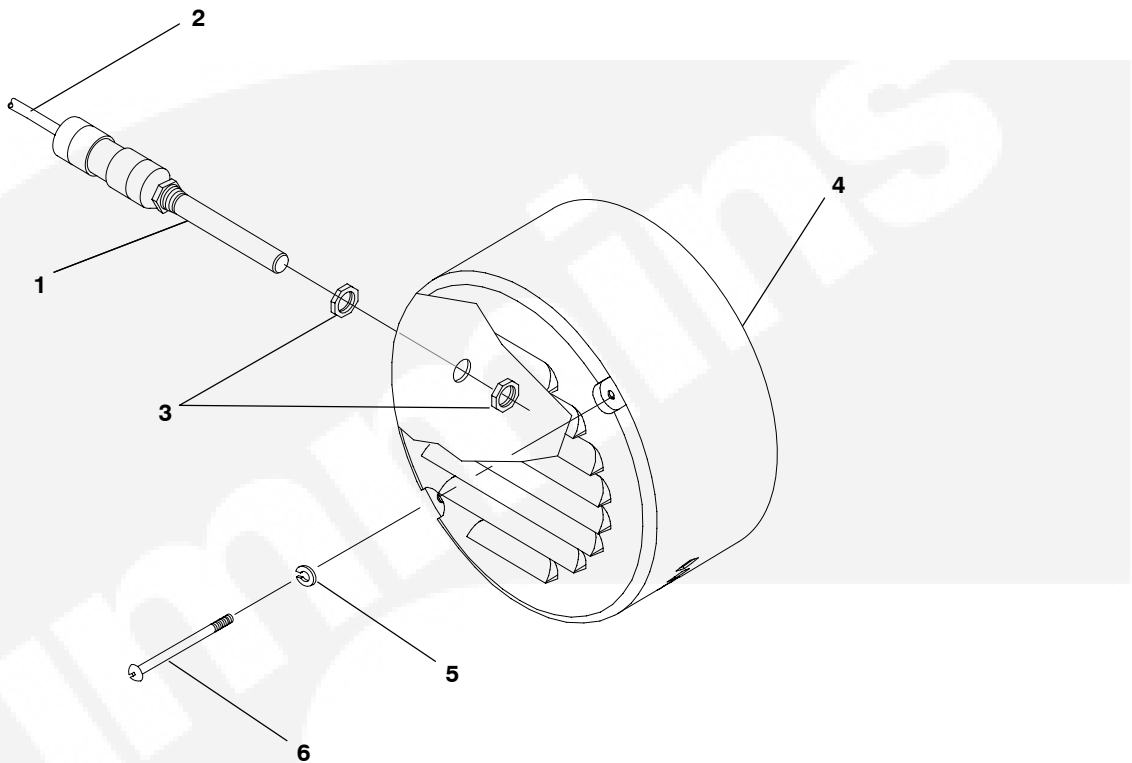
Generator Begin Spec E

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator	17	211-0256-02	1	Bell, End
	220-4614-06	1	4 Lead	18	220-2309	1	Stator, Exciter
	220-4615-06	1	6 Lead	19	509-0094	1	Seal, O-Ring
	220-4613-06	1	12 Lead	20	815-0194	2	Screw, Hex Head - Thread Cutting - W/ET (#10-32 x 3/8)
	220-4613-07	1	12 Lead, Full Output on Single Phase				
2			Rotor Assembly, Generator (Includes parts marked *)	21	232-2417	1	Board, Connection
	201-3602-06	1	149mm Stack Length	22	332-1355	2	Terminal, Tab
	201-3602-07	1	181mm Stack Length	23	818-0006	2	Rivet
3	201-3515-02	1	* Rotor Assembly, Exciter (Includes Parts Marked #)	24	802-0040-01	4	Screw, Cap - Socket Head (1/4-20 x 2)
4	358-0069	1	** Rectifier Assembly - Positive	25	850-0114-05	4	Washer, Lock (1/4)
5	358-0070	1	** Rectifier Assembly - Negative	26			Stud
6	853-0008	4	** Washer, Lock - ET (#10)		520-0799	4	149mm Stack Length
7	813-0100	4	** Screw, Round Head - Machined (#10-32 UNF x 1/2)		520-0800	4	181mm Stack Length
8	526-0008	10	** Washer, Flat (#10)	27	234-0519	1	Baffle, Air
9	870-0131	6	** Nut, Hex - W/ET (#10-32)	28	805-0015	6	Bolt, Place (.38-16 UNC x .75)
10	232-2826	A/R	* Disk, Rotor Drive	29	821-0010	4	Screw, Lock (.25-20 UNC x .50)
11	205-0258	1	* Fan, Generator	30	850-0114-07	4	Washer, Lock (.38)
12	510-0112	1	* Bearing, Ball	31	862-0026-07	4	Nut, Hex (.38-16)
13	526-0008	2	* Washer, Flat (#10)				
14	870-0131	2	* Nut, Hex - W/ET (#10)				
15	526-0399-42	6	* Washer, Flat (.38 Hardened)				
16	800-0519	6	* Screw, Cap - Hex Head (.375-16 x .75) (Special)				

* Parts Included in Generator Rotor Assembly

Parts Included in Exciter Rotor Assembly

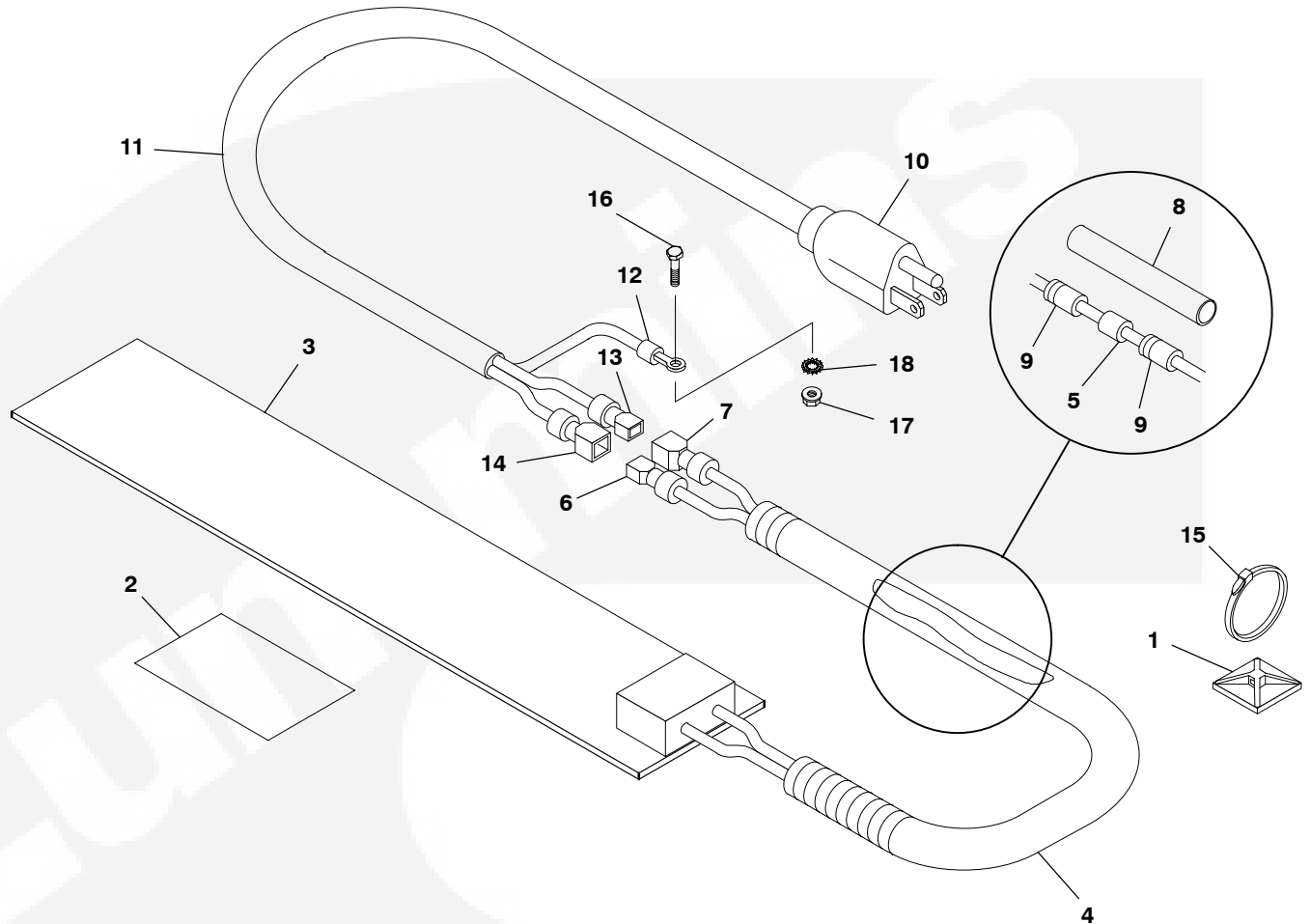
Generator Heater



A222

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0184	1	Heater, Generator (Includes Heater Cord)	5	850-0040	2	Washer, Lock – Split (1/4)
2	333-0228	1	Cord, Heater	6	812-0167	2	Screw, Round Head (1/4-20 x 6")
3	331-0041	2	Nut, Lock (1/2)				
4			Cover, End Bell				
	234-0993	1	Sets With Generator Heater				
	234-0498	1	Sets Without Generator Heater				

Control Heater

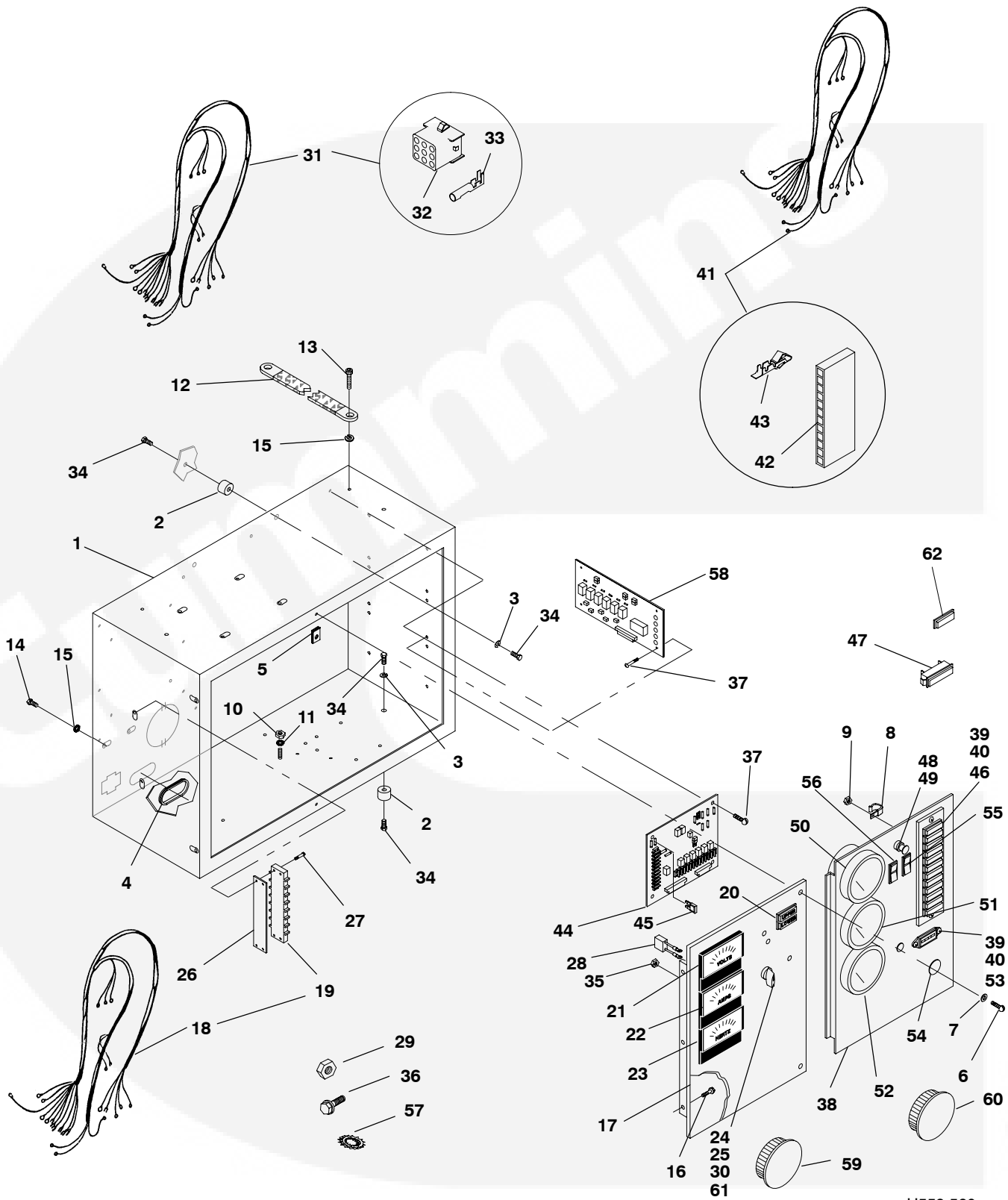


A362

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2420	2	Mount, Tie - Cable	11	335-0110	1	* Cable
2	098-6195	1	Label, Caution	12	332-2697	1	* Terminal, Ring
3	333-0550-01	1	Heater, Control 120 Volt	13	332-1992	1	* Terminal, Receptacle
4	898-1195-01	A/R	Sleeving, Convoluted	14	332-2430	1	* Terminal, Tab
5	357-0114	1	Rectifier, Power	15	332-0942	3	Tie, Cable
6	332-1992	1	Terminal, Receptacle	16	800-0024	1	Screw, Cap - Hex Head (5/16-18 x 3/4)
7	332-2430	1	Terminal, Tab	17	870-0257	1	Nut, Hex - Self Locking (5/16-18)
8	898-0860	A/R	Tubing, Heat Shrink	18	856-0008	2	Washer, Lock EIT (5/16)
9	332-1789	2	Splice, Window (18 Gauge)				
10	335-0173	1	Cable, Heater - Control (Includes Parts Marked *)				

* - Parts Included In 335-0173 Control Heater Cable

Detector Control

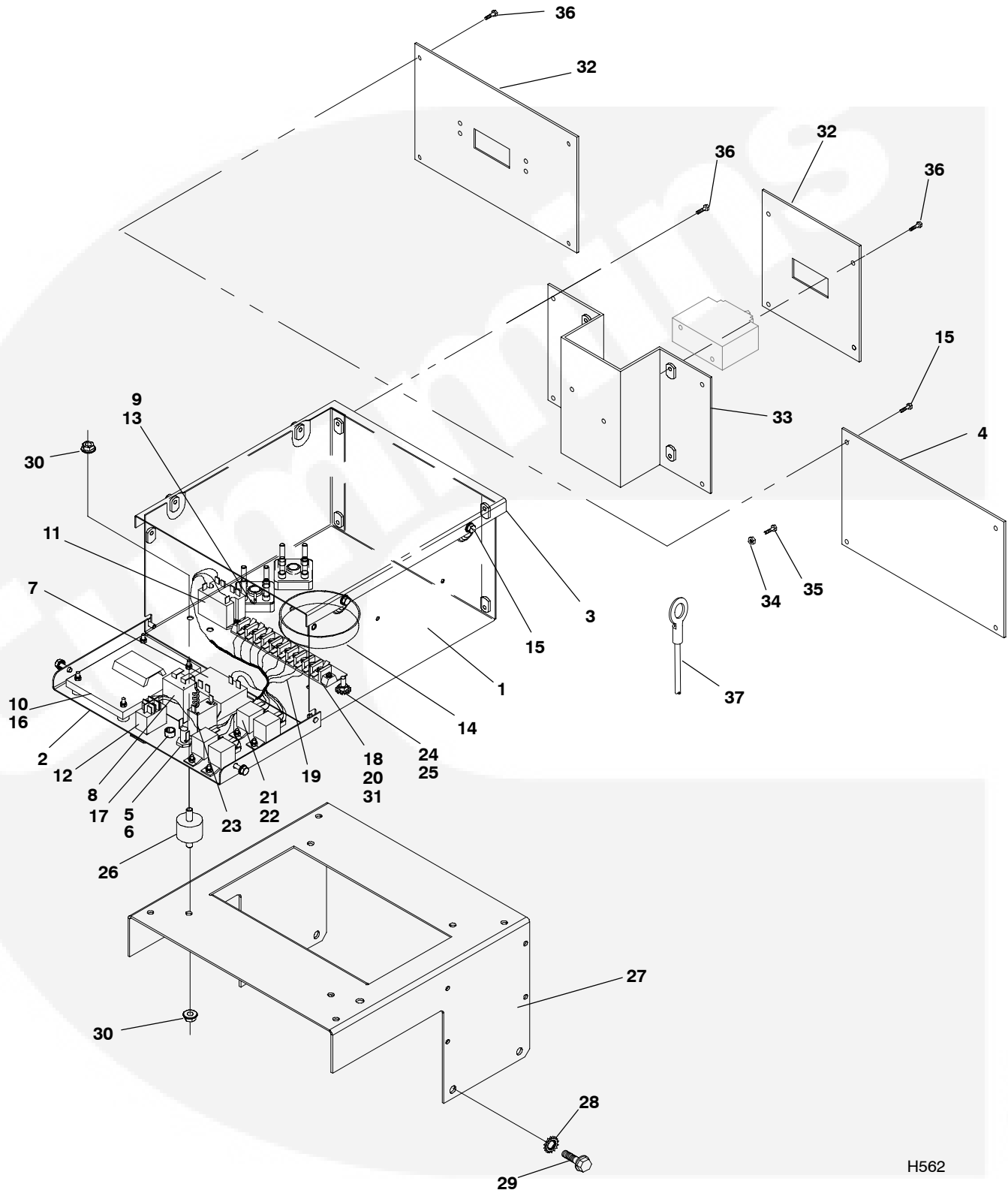


H559,560

Detector Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3030	1	Box, Control	33	323-1648	9	Socket, Contact
2	402-0527	4	Isolator, Vibration	34	800-0045	4	Screw, Cap – Hex Head (5/16-18 x 3/8")
3	850-0045	4	Washer, Lock – Spring (5/16)	35	870-1220	6	Nut, Hex (#4-40)
4	508-0051	1	Grommet (Fits 2" Hole)	36	821-5000-05	1	Screw, Self-Locking – Hex Washer Head (#10-32 x 1/2")
5	406-0332	2	Receptacle, Fastener	37	815-0388	8	Screw, Pan Head (Cross Recessed (#6-32 x 1/2"))
6	406-0333	2	Stud, Fastener	38	301-9055-01	1	Door, Control – DC
7	406-0334	2	Washer, Stud Retainer	39	815-0385	4	Screw, Machine – Round Head (#6-32 x 1/2")
8	332-0052	2	Clip, Wire	40	870-0183	4	Nut, Hex – W/ET (#6-32)
9	870-0131	1	Nut, Hex – W/ET (#10-32)	41	338-3252	1	Harness, Wiring – DC Control Door (Includes Connector Housing and Contact Pins) (22 Wire, 32") (A11J4 to GND, M11,12,13,14, S11,12, DS11)
10	871-0015	1	Nut, Hex (1/4-20)	42	323-1308	1	Housing, Connector (J4)
11	526-0018	1	Washer, Flat (1/4")	43	323-1302	11	Pin, Contact
12	337-0049	1	Strap, Ground	44	300-4296	1	Board Assembly, Printed Circuit – Engine Monitor (Includes Fuses) (A11)
13	800-0024	1	Screw, Cap – Hex Head (5/16-18 x 1/2")	45			Fuse
14	815-0905-08	1	Screw, Pan Head – Cross Recessed (#10-32 x 7/8")		321-0307-03	2	5 Amp (Tan) (F4, F5)
15	856-0008	2	Washer, Lock – EIT (5/16")		321-0307-06	1	15 Amp (Light Blue) (F3)
16	821-0004	3	Screw, Self-Locking – Hex Washer Head (#10-32 x 5/16")		321-0307-07	2	20 Amp (Yellow) (F1, F2)
17	301-9054-01	1	Door, Control – AC	46	322-0360-01	1	Light Assembly, Indicator (Includes Wiring Harness and Connector Housing) (A12)
18	338-2278	1	Harness, Wiring – AC Control Door (Includes Terminal Block) (19 Wire, 26") (TB21, GND to GND, M21,22,23, S21, DS21,22)	47	322-0369-01	1	Light, Indicator – Replacement
19	332-0607	1	Block, Terminal (12 Place) (TB21)	48	322-0361	1	Light, Panel (DS11)
20	322-0363	1	Light, Indicator – Upper/Lower Scale (DS21,22)	49	322-0004	1	Bulb, Panel Light – Replacement
21			Voltmeter, AC (M21)	50	193-0466	1	Gauge, Oil Pressure (M11)
	302-1148	1	0-300/600	51	193-0351	1	Gauge, Water Temperature (M12)
	302-1753	1	0-0750	52	302-1641	1	Voltmeter, DC (M13)
22	302-1473		Ammeter AC (M22)	53	302-2002	1	Meter, Hour (M14)
23	302-1968	1	Meter, Frequency (M23)	54	517-0131	1	Plug, Hole (Fits 7/8" Hole)
24	853-0008	1	Washer, Lock – ET (#10)	55	308-1010	1	Switch, Rocker – Lamp Test/Reset Panel Lamp (S11)
25	308-1052	1	Switch, Rotary – Voltmeter/Ammeter (Includes Handle) (S21)	56	308-1011	1	Switch, Rocker – Run/Stop/Remote (S12)
26	332-2723	1	Strip, Marker	57	853-0008	1	Washer, Lock – ET (#10)
27	815-0901-06	2	Screw, Cross Recessed – Thread Forming (#6-32 x 5/8")	58	300-5098	1	Board, Printed Circuit – Sensor Board (A27)
28	355-0189	1	Capacitor – Voltmeter (.1 Mfd., 500 WVDC) (C21)	59	517-0302	1	Plug, Hole (Fits 2-1/4" Hole) (Quantity Used As Required)
29	870-0183	2	Nut, Hex – W/ET (#6-32)	60	517-0301	1	Plug, Hole (Fits 2" Hole) (Quantity Used As Required)
30	815-0875-02	3	Screw, Machine – Round Head (M4 x 8mm)	61	308-1082	1	Handle, Rotary Switch
31	338-3429	1	Harness, Wiring – Terminal Block (9 Wire, 11") (Includes Connector Plug and Sockets) (P2 to TB21)	62	322-0431-10	1	Lens, Replacement – Check Engine (DS19 or DS20)
32	323-1644-02	1	Plug, Connector (P2)				

2-Wire Control

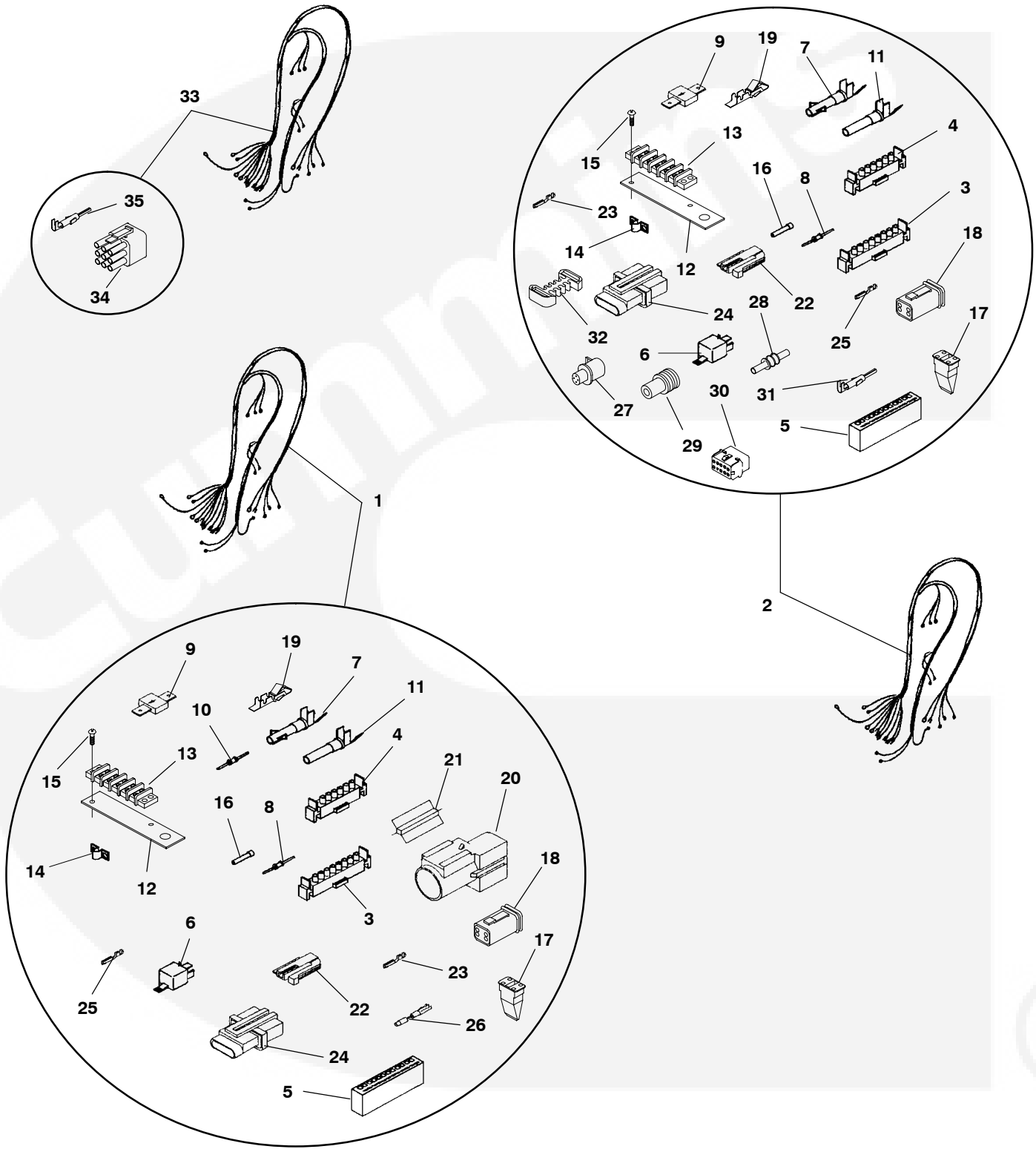


H562

2-Wire Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3321	1	Box, Control	30	870-2054	8	Nut, Locking – Hex Flange Head (M6)
2	319-3322	1	Panel, Control – Front	31	332-3573	1	Strip, Marker
3	319-3326	1	Cover, Control	32			Cover, Circuit Breaker
4	319-3324	1	Plate, Control – Sets Without Circuit Breaker		319-3325-01	1	Used With 2 Pole Circuit Breaker
5	321-0175	1	Holder, Fuse		319-3339	1	Used With 3 Pole Circuit Breaker – Spec A
6	321-0353	1	Fuse (20 Amp)		319-3824-01	1	Used With 3 Pole Circuit Breaker – 480V – Begin Spec B
7	307-2871	1	Relay, Timer		319-3647	1	Used With 3 Pole Circuit Breaker – 600V – Begin Spec B
8	302-2002	1	Meter, Hour				Bracket, Mounting – Circuit Breaker – Used With 3 Pole Circuit Breaker
9	332-3249	2	Block, Terminal				Spec A
10	305-0982	1	Regulator, Voltage (VR21)		319-3338	1	480V – Begin Spec B
11	307-2677-03	1	Relay (20 Amp) (K21)		319-3823-01	1	600V – Begin Spec B
12	308-1011	1	Switch, Rocker		319-3646	1	
13	821-6001-03	2	Screw, Hex Head (M5 x 0.8 x 16)	33	870-2064-01	4	Nut, Lock (M4) – Used With 2 Pole Circuit Breaker
14	508-1127	1	Bushing, Nylon		800-3042	4	Screw, Hex Head (M4 x 0.7 x 10) – Used With 2 Pole Circuit Breaker
15	821-6002-03	10	Screw, Hex Head (M6 x 1 x 16)				Screw, Hex Head (M6 x 1 x 16)
16	870-2064-01	12	Nut, Lock – Nylon (M4)		821-6002-03	4	Used With 2 Pole Circuit Breaker
17	517-0133	1	Plug, Hole		821-6002-03	8	Used With 3 Pole Circuit Breaker
18	815-0925-01	4	Screw, Slotted – Flat Head – Thread Forming (M4 x 0.7 x 20)	34			Lead
19			Harness, Control	35			Used With 2 Pole Circuit Breaker
	338-3680	1	Spec A (Includes Parts Marked *)		226-4778-01	2	Used With 2 Pole Circuit Breaker
	338-3733	1	Begin Spec B (Includes Parts Marked #)	36	226-4778-01	3	Used With 40-100 Amp Circuit Breaker
20	332-3564	1	*# Block, Terminal (TB1)		226-4778-03	3	Used With 15-30 Amp Circuit Breaker
21	357-0030	1	*# Rectifier (6 Amp) (CR4) (Mounted on K11 Relay)				
22	307-2817-01	4	*# Relay (K11-K14)	37			
23			Breaker, Circuit				
	320-1941	1	2 Pin				
	320-1824-02	1	4 Pin				
24	860-2057	5	Nut, Hex (M6)				
25	856-0006	5	Washer, Lock – EIT (1/4")				
26	402-0669	4	Isolator, Vibration				
27			Bracket, Control Saddle				
	405-6098	1	Spec A-C				
	319-4970-02	1	Begin Spec D	*	Parts Included in 338-3680 Control Harness		
28	856-0008	4	Washer, Lock – EIT (5/16")	#	Parts Included in 338-3733 Control Harness		
29	815-0236	4	Screw, Cap – Hex Head – Thread Forming (5/16-18 x 5/8")				

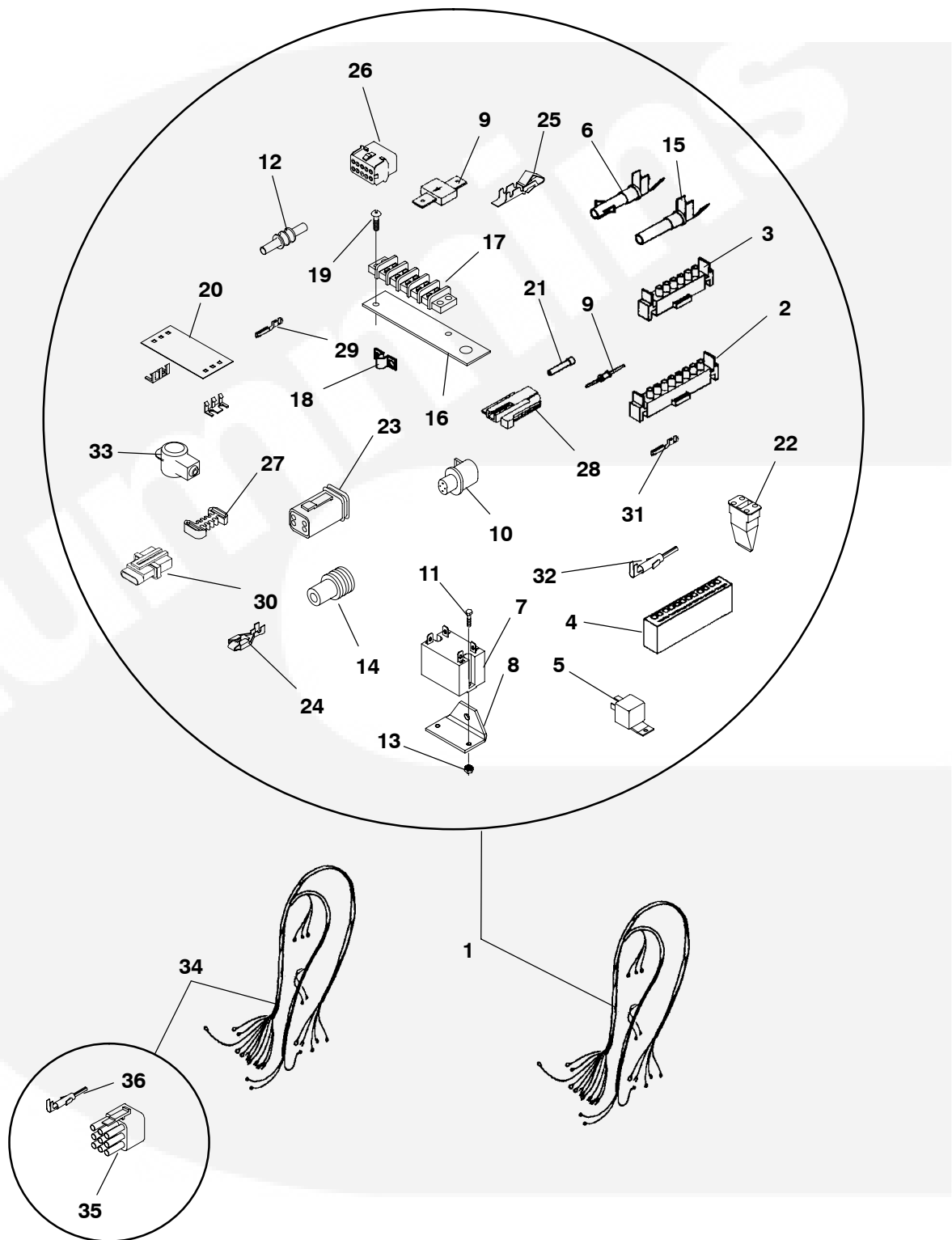
**Wiring Harness
Generator Sets With Detector Control
Spec A-C**



Wiring Harness **Generator Sets With Detector Control** **Spec A-C**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3670	1	Harness, Wiring – Engine to Control (Includes Parts Marked +) – Spec A, B	17	323-1548	1	*+ Wedge, Plug (Used in E1)
2	338-3796	1	Harness, Wiring – Engine to Control (Includes Parts Marked *) – Spec C	18	323-1546	1	*+ Plug (Used in E1)
3	323-1306	1	*+ Housing, Connector – 8 Place (J1)	19	323-1302	11	*+ Pin, Contact (Used in J3)
4	323-1304	1	*+ Housing, Connector – 6 Place (J2)	20	166-0860	1	+ Connector – 2 Place (P8)
5	323-1374-12	1	*+ Housing, Connector – 12 Place (J3)	21	166-0849	1	+ Wedge, Connector (Used in P8)
6			*+ Relay (K4)	22	191-2176	1	*+ Connector – 1 Place (P7)
	307-2817-01	1	*+ Spec A, B	23	191-2181	3	*+ Socket, Contact (Used in P6)
	307-2817-01	2	*+ Spec C	24	191-2178	1	*+ Connector – 3 Place (P6)
7	323-1200	12	*+ Socket, Contact (Used in J1,J2)	25	191-2177	1	*+ Socket, Contact (Used in P7)
8	350-0980	1	*+ Resistor (510 Ohms) (Located in Harness Sleeve at P7 and P8 End)	26	166-0850	2	+ Socket, Contact (Used in P8)
9	357-0030	1	*+ Rectifier, Silicon (6 Amp)	27	323-1765	1	* Housing, Connector – 4 Pin (S7)
10	351-1599-42	1	+ Resistor (24 Ohms) (Used on TB1)	28	323-1712	4	* Seal
11	323-1492	3	*+ Socket, Contact (Used on E1)	29	323-1708	10	* Seal, Cable (S7) (P8)
12	319-2006-01	1	*+ Bracket, Terminal Mounting	30	323-1710	1	* Connector – 10 Pin (P8)
13	332-0604	1	*+ Block, Terminal – 5 Place (T26)	31	323-1707	6	* Socket, Contact (Used in P8)
14	332-1043	4	*+ Jumper (T26)	32	323-1719	1	* Housing, Lock (P8)
15	815-0538	2	*+ Screw, Machine – Round Head – Cross Recessed W/IT (8-32 x .50)	33	338-3682	1	Harness, Wiring – AC Auxiliary (Includes Parts Marked #)
16	323-1591	1	*+ Plug, Connector (Used in E1)	34	323-1644-01	1	# Housing, Plug (J2)
				35	323-1647	9	# Pin, Contact (Used in J2)
				*	Parts Included in 338-3796 Engine to Control Wiring Harness		
				+	Parts Included in 338-3670 Engine to Control Wiring Harness		
				#	Parts Included in 338-3682 AC Auxiliary Wiring Harness		

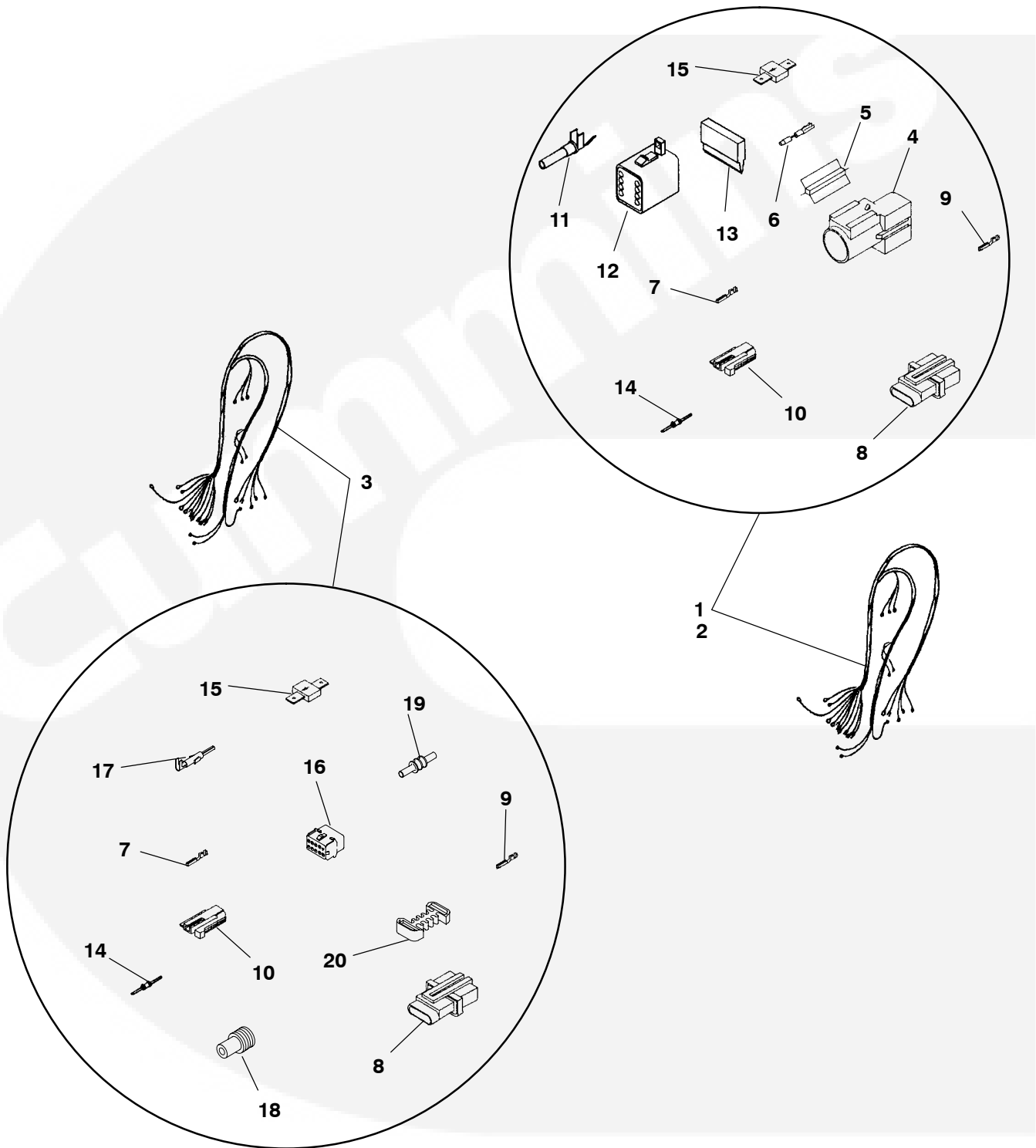
Wiring Harness
Generator Sets With Detector Control
Begin Spec D



Wiring Harness
Generator Sets With Detector Control
Begin Spec D

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4298-01	1	Harness, Wiring – Engine to Control (Includes Parts Marked *)	19	815-0538	2	* Screw, Machine – Pan Head – Cross Recessed W/ET (8-32 x .50)
2	323-1306	1	* Housing, Connector – 8 Place (J1)	20	332-3792-01	1	* Cover, Terminal Block (Includes Spring Clips)
3	323-1304	1	* Housing, Connector – 6 Place (J2)	21	323-1591	1	* Plug, Connector (E1)
4	323-1374-12	1	* Housing, Connector – 12 Place (J3)	22	323-1548	1	* Wedge, Plug
5	307-2817-01	1	* Relay (K7)	23	323-1546	1	* Plug (4 Pin)
6	323-1200	12	* Socket, Contact	24	323-1709	3	* Socket, Contact (S7)
7	307-2968-03	1	* Relay, Power (K4)	25	323-1302	11	* Pin, Contact
8	307-2982-02	1	* Bracket, Relay	26	323-1710	1	* Connector – 10 Pin (P8)
9	350-0980	1	* Resistor (510 Ohms) (Located in Harness Sleeving at P7 End)	27	323-1719	1	* Housing, Lock (P8)
10	323-1765	1	* Housing, Connector – 4 Pin (S7)	28	191-2176	1	* Connector – 1 Place (P7)
11	812-0079	2	* Screw, Machine – Round Head (#8-32 x .50)	29	191-2181	3	* Socket, Contact (P6)
12	323-1712	4	* Plug, Cavity (S7) (P8)	30	191-2178	1	* Connector – 3 Place (P6)
13	870-0221	2	* Nut, Hex – W/ET (#8-32)	31	191-2177	1	* Socket, Contact (P7)
14	323-1708	10	* Seal, Cable (S7) (P8)	32	323-1707	7	* Socket, Contact (P8)
15	323-1492	3	* Socket, Contact	33	416-1021-02	1	* Boot
16	319-2006-01	1	* Bracket, Terminal Mounting	34	338-3682	1	Harness, Wiring – AC Auxiliary (Includes Parts Marked #)
17	332-0604	1	* Block, Terminal – 5 Place (T26)	35	323-1644-01	1	# Housing, Plug (J2)
18	332-1043	4	* Jumper (T26)	36	323-1647	9	# Pin, Contact (J2)
				*	Parts Included in 338-4298-01 Engine to Control Wiring Harness		
				#	Parts Included in 338-3682 AC Auxiliary Wiring Harness		

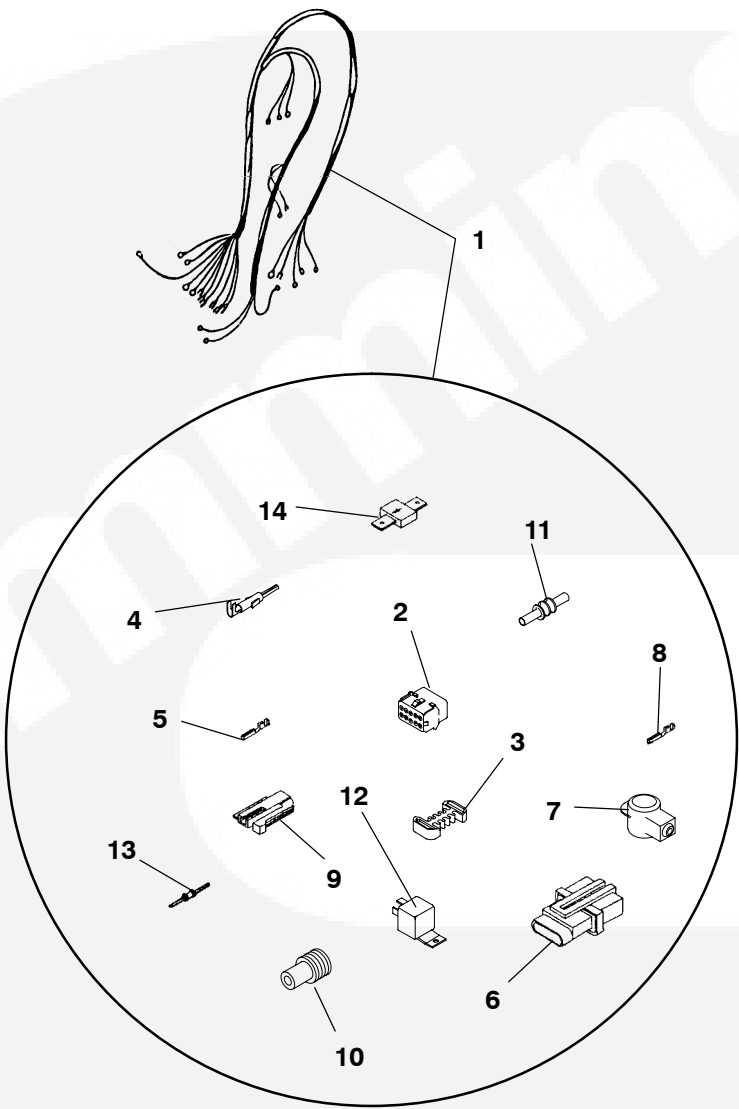
**Wiring Harness
Generator Sets With 2-Wire Control
Spec A-C**



Wiring Harness **Generator Sets With 2-Wire Control** **Spec A-C**

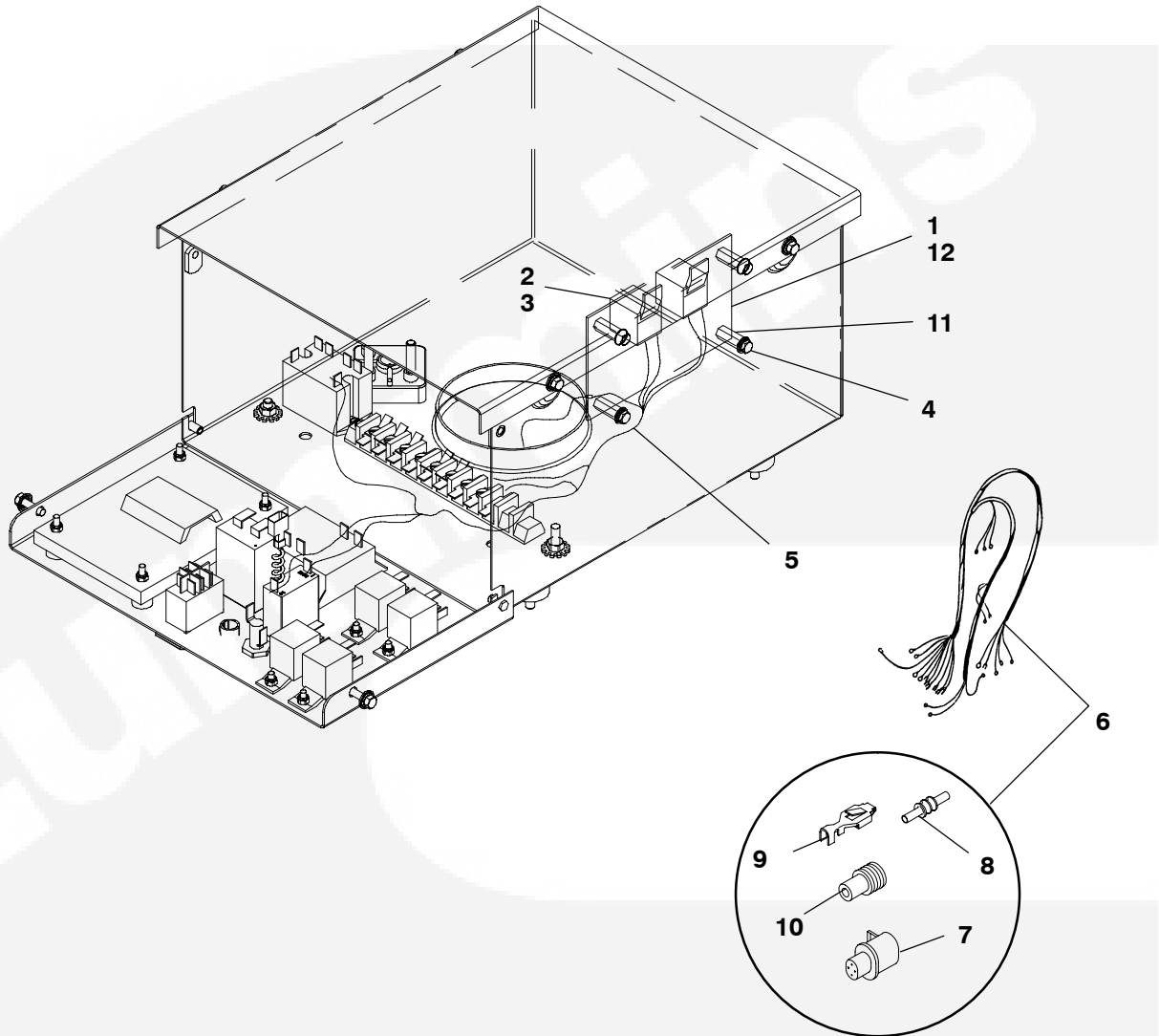
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3669	1	Harness, Wiring – Engine to Control (Includes Parts Marked *) – Spec A	13	323-1543	1	^* Wedge, Plug (Used in P2)
2	338-3734	1	Harness, Wiring – Engine to Control (Includes Parts Marked ^) – Spec B	14	350-0980	1	+^* Resistor (510 Ohms) (Located in Harness Sleeving at P7 and P8 End)
3	338-3795	1	Harness, Wiring – Engine to Control (Includes Parts Marked +) – Spec C	15	357-0030	1	+^ Rectifier, Silicon (6 Amp) (CR5)
4	166-0860	1	^* Connector – 2 Place (P8)	16	323-1710	1	+ Connector – 10 Pin (P8)
5	166-0849	1	^* Wedge, Connector (Used in P8)	17	323-1707	6	+ Socket, Contact (Used in P8)
6	166-0850	2	^* Socket, Contact (Used in P8)	18	323-1708	6	+ Seal (P8)
7	191-2177	1	+^* Socket, Contact (Used in P7)	19	323-1712	4	+ Seal, Plug (P8)
8	191-2178	1	+^* Connector – 3 Place (P6)	20	323-1719	1	+ Housing, Lock (P8)
9	191-2181	3	+^* Socket, Contact (Used in P6)				
10	191-2176	1	+^* Connector – One Place (P7)	*	Parts Included in 338-3669 Engine to Control Wiring Harness		
11	323-1492	6	^* Socket, Contact (Used in P2)	^	Parts Included in 338-3734 Engine to Control Wiring Harness		
12	323-1541	1	^* Plug, Connector – 8 Place (P2)	+	Parts Included in 338-3795 Engine to Control Wiring Harness		

Wiring Harness
Generator Sets With 2-Wire Control
Begin Spec D



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-4299-01	1	Harness, Wiring – Engine to Control (Includes the Following Parts)	7	416-1021-02	1	Boot
2	323-1710	1	Connector – 10 Pin (P8)	8	191-2181	3	Socket, Contact (P6)
3	323-1719	1	Housing, Lock (P8)	9	191-2176	1	Connector – One Place (P7)
4	323-1707	7	Socket, Contact (P8)	10	323-1708	7	Seal (P8)
5	191-2177	1	Socket, Contact (P7)	11	323-1712	2	Seal, Plug (P8)
6	191-2178	1	Connector – 3 Place (P6)	12	307-2817-01	1	Relay (K7)
				13	350-0980	1	Resistor (510 Ohms)
				14	357-0030	1	Diode (CR3)

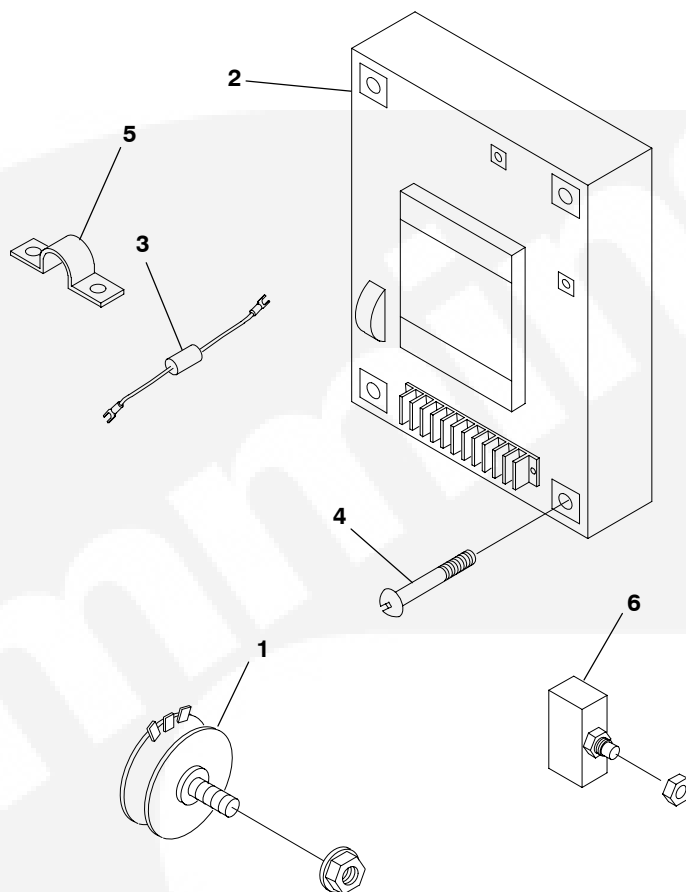
**Dry Contact
2-Wire Control
Begin Spec B**



H568

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3601-02	1	Panel, Relay	7	323-1765	1	# Housing, Connector (4 Pin)
2	307-2817-01	2	Relay (K8, K9)	8	323-1712	A/R	# Plug, Cavity
3	821-6001-02	2	Screw, Hex Head (M5 x 0.8 x 12)	9	323-1709	A/R	# Socket, Contact (Used in S7)
4	821-5000-05	4	Screw, Hex Head (#10-32 x 1/2")	10	323-1708	A/R	# Seal, Cable
5	338-3731	1	Harness, Wiring - Control	11	870-2204	4	Standoff, Hex (#10-32)
6	338-3743	1	Harness, Wiring - Dry Contact (Includes Parts Marked #)	12	870-0131	4	Nut, Hex - W/ET (#10-32)
				# - Parts Included in 338-3743 Wiring Harness			

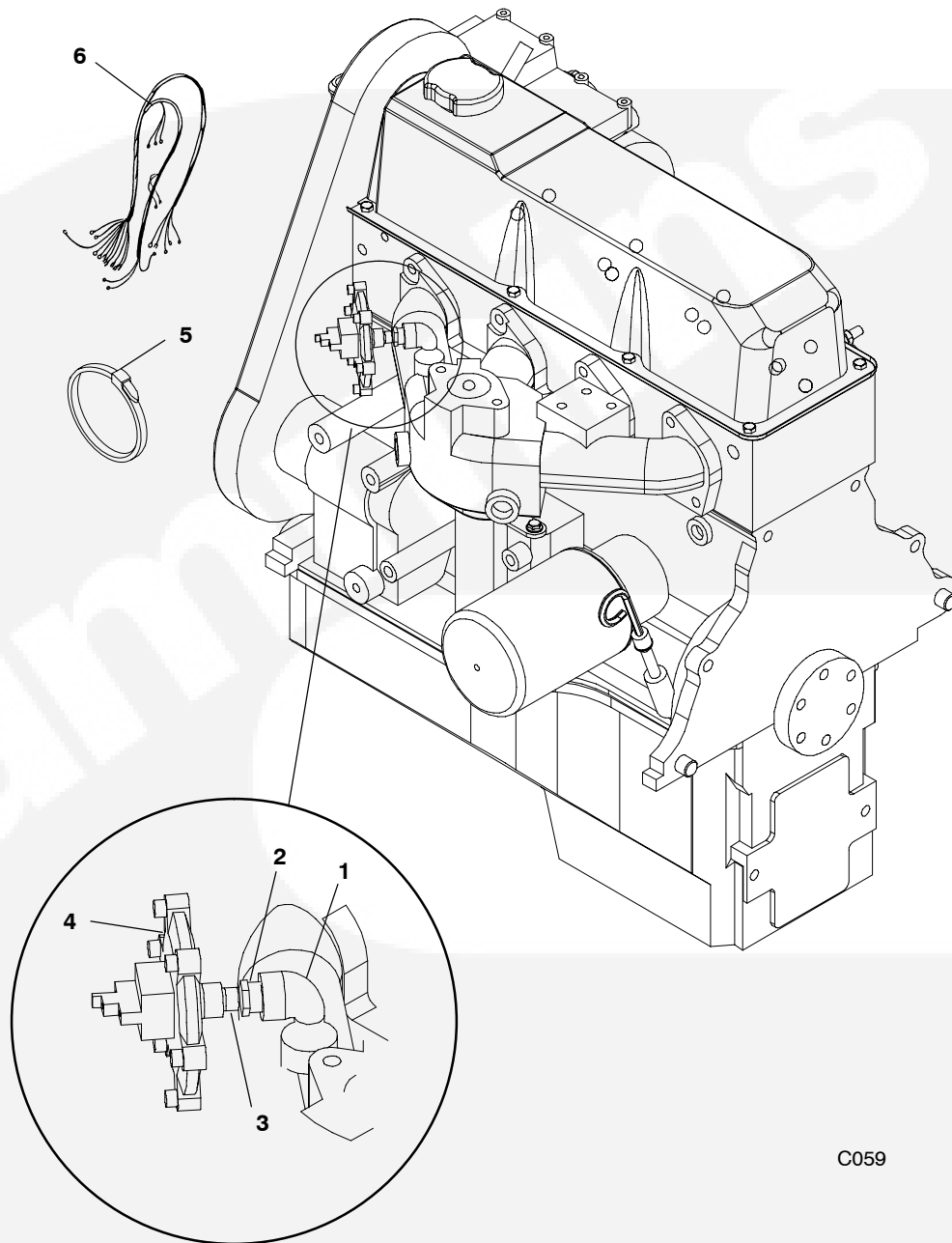
Voltage Regulator Detector Control



B240

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	303-0261	1	Potentiometer (R21)	4	815-0905-08	4	Screw, Cross Recessed (#10-32 x 7/8)
2	305-0982	1	Board, Printed Circuit - Voltage Regulator (Model SX460) (VR21)	5	332-2605	1	Jumper
3	350-1222	1	Resistor (TB21)	6	320-1688-01	1	Breaker, Circuit (CB21)

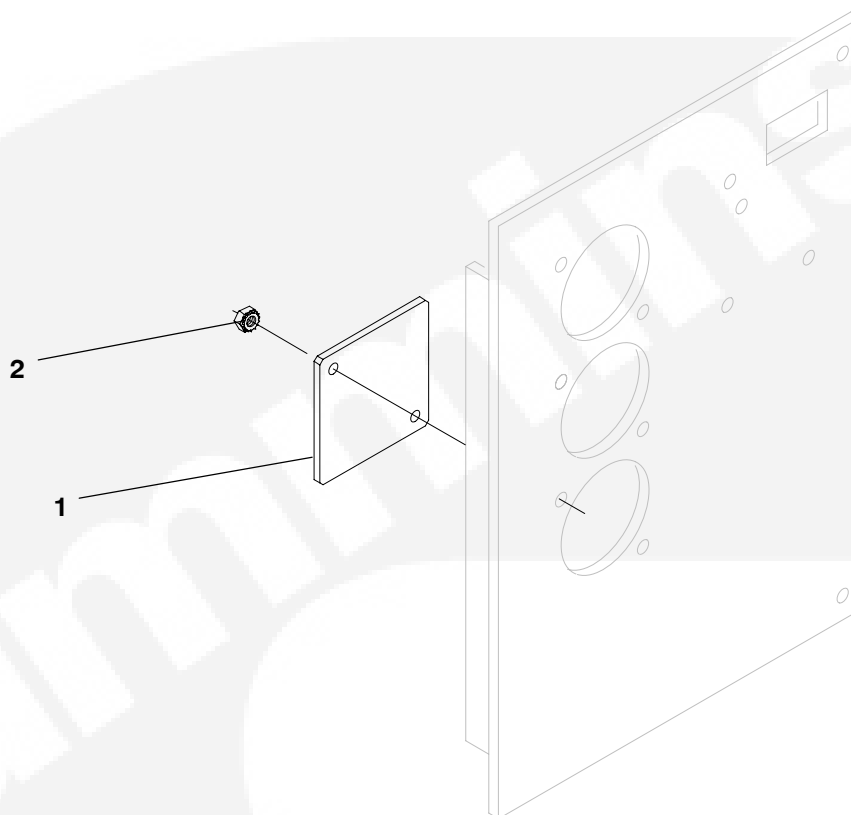
Vacuum Switch



C059

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0011	1	Elbow, Street	4	148-1099	1	Switch, Vacuum
2	505-0007	1	Bushing, Reducer (1/4 NPT x 1/8 NPT)	5	332-1794	A/R	Tie, Cable
3	505-0098	1	Nipple, Pipe (1/8 NPT x .75)	6	338-3667	1	Harness, Vacuum Switch

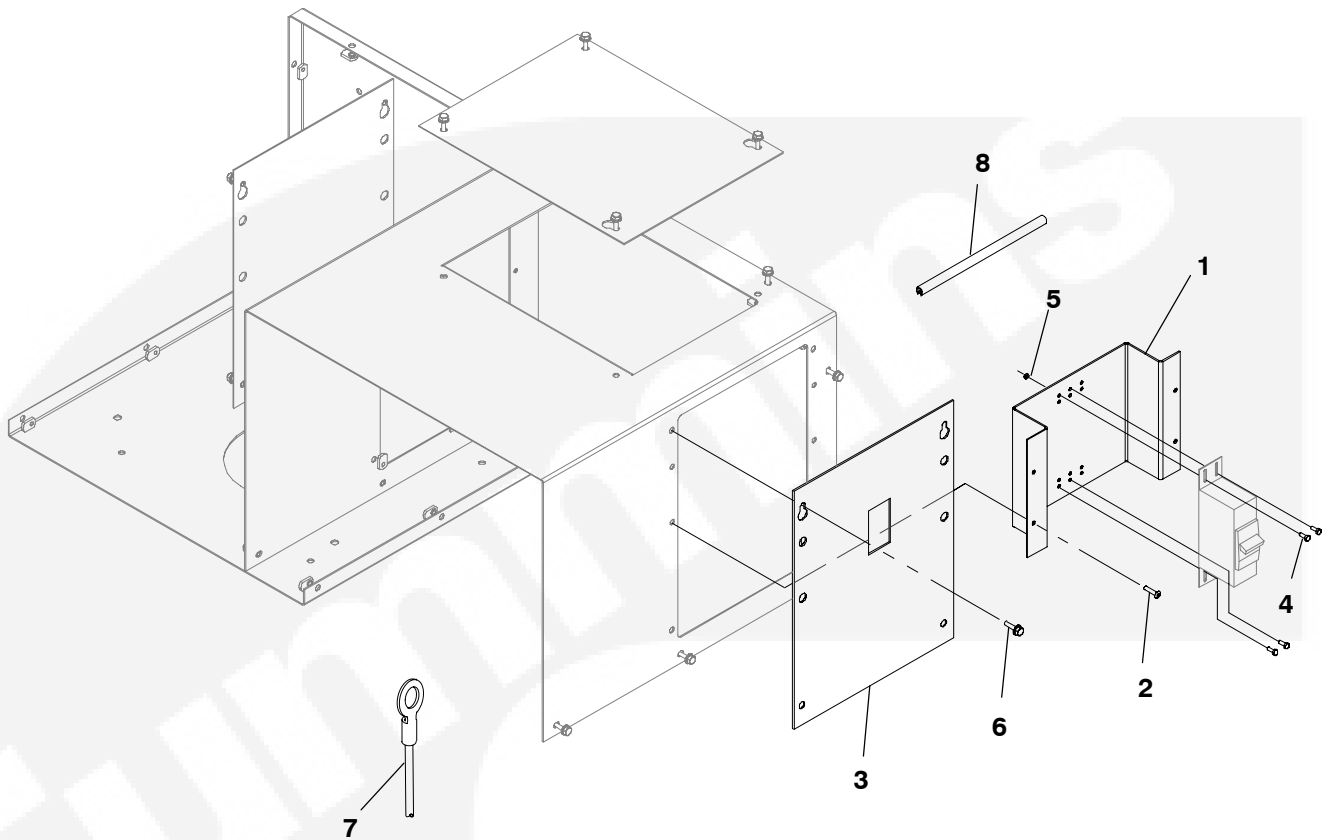
Control Door Cover
Generator Sets With Detector Control
Begin Spec E



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5498-02 A/R		Cover, Control Door – Meters

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	870-0131	A/R	Nut, Hex – W/ET (#10-32)

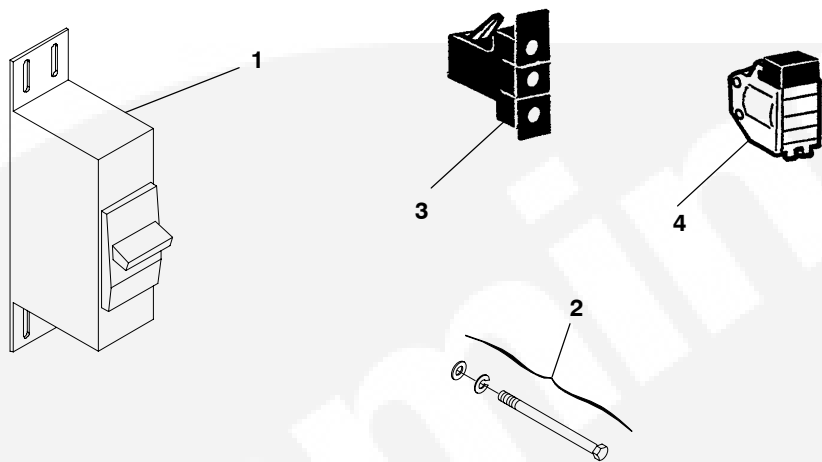
Circuit Breaker Mounting Bracket Detector Control



KB16,17,KM03,04,05,06,07,08,09,10,11

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Bracket, Mounting – Circuit Breaker	4	800–3042	4	Screw, Hex Head (M4 x 0.7 x 10) – Used With 2 Pole Circuit Breaker
	319–3314	1	Used With 2 Pole Circuit Breaker	5	870–2064–01	4	Nut, Lock (M4) – Used With 2 Pole Circuit Breaker
	319–3337	1	Used With 3 Pole Circuit Breaker – Spec A	6	821–6002–03	4	Screw, Hex Head (M6 x 1 x 16)
	319–3905–02	1	Used With 3 Pole Circuit Breaker – 480V – Begin Spec B	7			Lead
	319–3648	1	Used With 3 Pole Circuit Breaker – 600V – Begin Spec B		226–4778–02	2	Used With 2 Pole Circuit Breakers
2	818–0231–02	4	Rivet, Pop		226–4778–02	3	Used With 40–100 Amp Circuit Breakers
3			Cover, Circuit Breaker		226–4778–04	3	Used With 15–30 Amp Circuit Breakers
	319–3315–02	1	Used With 2 Pole Circuit Breaker	8	508–0305–02	–	Edging – Bulk (Order By The Foot – 1 Foot Required) Used With 2 Pole Circuit Breakers
	319–3315–01	1	Used With 3 Pole Circuit Breaker – Spec A				
	319–3315–09	1	Used With 3 Pole Circuit Breaker – 480V – Begin Spec B				
	319–3315–07	1	Used With 3 Pole Circuit Breaker – 600V – Begin Spec B				

Circuit Breaker
Spec A

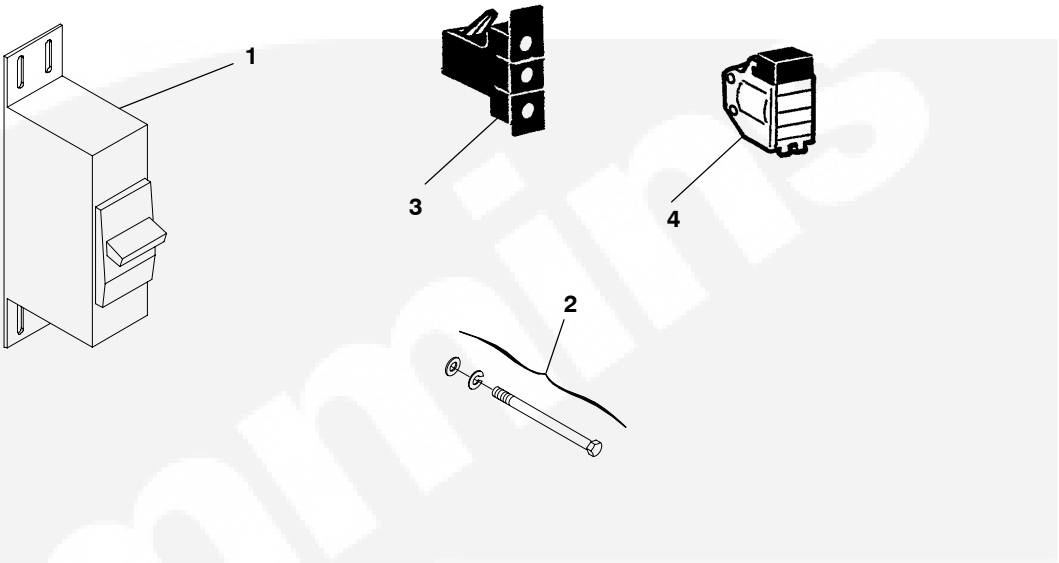


KM03,04,05,06,07,08,09,10,11,KB16,KB17,K883,KL41

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit	2	320-1986-04	1	Package, Hardware – Circuit Breaker Mounting
			2 Pole (UL)				(Includes Screws, Nuts and Lock Washers)
	320-2006-03	1	90 Amp				Accessories, Circuit Breaker:
	320-2006-02	1	100 Amp				The following are used on
			3 Pole (UL & IEC)				320-1975-XX Circuit
	320-1975-09	1	* 30 Amp				Breakers
	320-1975-08	1	* 40 Amp	3	320-1979-01	1	Contact, Auxiliary Switch
	320-1975-07	1	* 45 Amp	4	320-1979-02	1	Trip, Shunt (12V)
	320-1975-06	1	* 50 Amp				
	320-1975-05	1	* 60 Amp				
	320-1975-04	1	* 70 Amp				
	320-1975-03	1	* 80 Amp				
	320-1975-02	1	* 90 Amp				
	320-1975-01	1	* 100 Amp				

* – Includes Mounting Hardware

Circuit Breaker Begin Spec B



KM34,KM33,KM32,KM31,KM95,KM94,KM93,KM92,K883,KL41,KB17,KB16

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit	2	320-1986-08	1	Package, Hardware – Circuit Breaker Mounting (Includes Screws, Nuts and Lock Washers)
			2 Pole (UL)				Accessories, Circuit Breaker:
	320-2006-03	1	90 Amp				The following are used on
	320-2006-02	1	100 Amp				320-1959-XX Circuit
			3 Pole (UL & IEC) (480V)				Breakers
	320-2009-10	1	* 20 Amp	3	320-1981-01	2	Switch – Used as Auxiliary
	320-2009-09	1	* 30 Amp				Contact or Trip Alarm
	320-2009-08	1	* 40 Amp	4	320-1981-02	1	Trip, Shunt (12V)
	320-2009-06	1	* 50 Amp				
	320-2009-05	1	* 60 Amp				* – Includes Mounting Hardware
	320-2009-04	1	* 70 Amp				
	320-2009-03	1	* 80 Amp				
	320-2009-01	1	* 1000 Amp				
			3 Pole (UL & IEC) (600V)				
	320-1959-21	1	* 20 Amp				
	320-1959-20	1	* 30 Amp				
	320-1959-19	1	* 40 Amp				
	320-1959-18	1	* 50 Amp				
	320-1959-17	1	* 60 Amp				
	320-1959-10	1	* 70 Amp				
	320-1959-09	1	* 80 Amp				
	320-1959-08	1	* 90 Amp				
	320-1959-07	1	* 100 Amp				

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